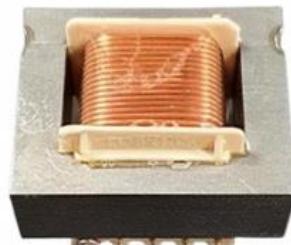


Firosu
electronic distribution

Katalog

Ferrit-Bauteile von





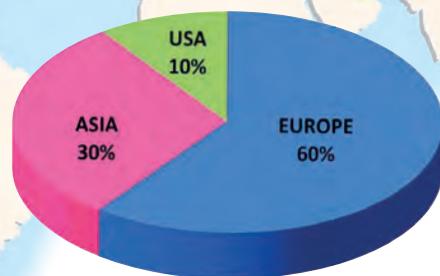
TRANSFORMERS & INDUCTORS

YOUR ENERGY DEMAND
OUR INNOVATIVE
SOLUTIONS



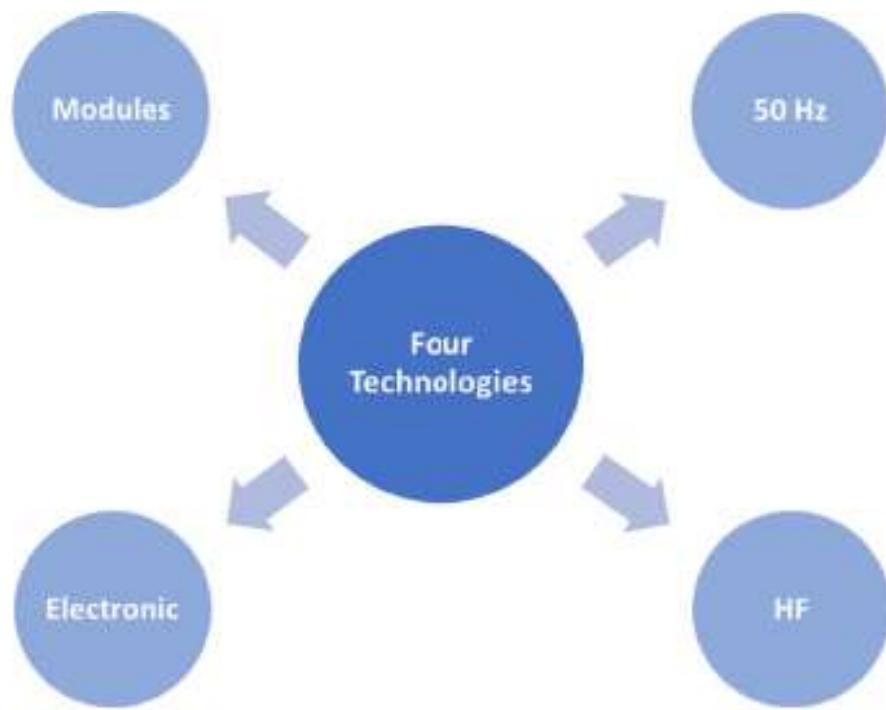
COMPANY PROFILE

Myrra is a major supplier in high quality for electronics components. Myrra has established a worldwide reputation. Myrra design and manufacture high-quality transformers and inductors for industrial use. We supply a blue-chip customer base in a variety of industries, including energy conversion, industrial applications, renewable energy and healthcare. We supply customers all over the world.



A wide range of products : We offer application specific transformers, inductors, chokes and coils,in three technologies: high frequency, 50Hz technology and electronic, enabling us to serve a number of major markets.

MAGNETICS & ELECTRONICS PRODUCTS



Applications

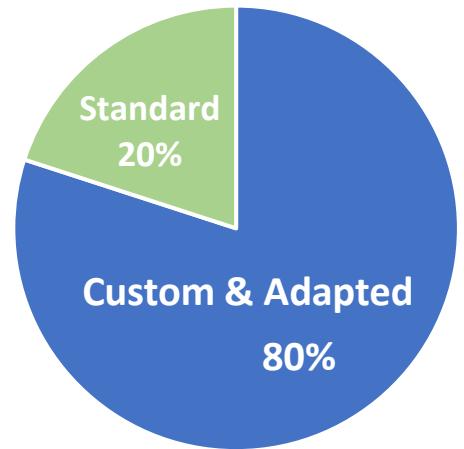
Conversion

Measuring

Filtering

PRODUCTION SPREAD

Each of our clients have different needs & project, that is why most of our products are customized & adapted solutions to the client needs (80%).



Whether it is standard or custom product, each solution needs to be approved by our technical department & raise to our quality standard.

MARKET SEGMENTS

Myrra clients come from various markets & at different position in the product lifecycle (supplier, distributor, end-product ...).

Our presence keeps growing over the years and help us to adapt our product to many applications.

Here's a few examples of our client market :



Industrial



Energy Renewable



Transport

PRODUCT APPLICATION

Each of our product has a wide range of potential applications.

Therefore, it is difficult to state a specific application for our product but here are some examples of application :

- Motor drives
- Connectivity
- Sensors
- Solar PV Inverters/UPS
- X-Ray Scanners
- And many more !

PRODUCT CERTIFICATIONS



PCB Magnetic Components

50-60Hz transformers (44 & 45 series)

- * Full range of standard references
- * Isolating safety application
- * UL, VDE, EN61558 certification
- * Automated - 100% tested production



Passive PFC chokes (43 series)

- * Large range of open & potted standard references



Transformers & inductors for SMPS (74 series)

- * Large application range: flyback transformers, CM chokes etc.
- * International standards compliant
- * Standard products and customized design



THT & SMD Chokes (75-79 series)



POWER RANGE Transformers and chokes for specific applications

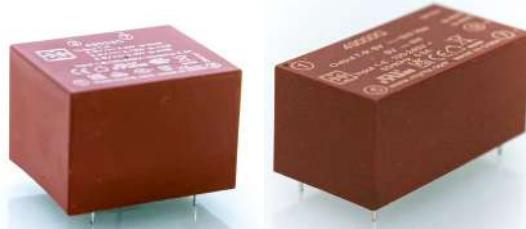
DC, 50-60 Hz and switching applications

- * Customized design on specification
 - Chokes up to 1000A
 - 50-60 Hz transformers up to 20 kVA
 - HF transformers up to 200 kW
- * Insulation systems: B, F, H classes
- * UL, IEC, CSA Compliant



Encapsulated POWER SUPPLY

- * Pioneering alternative to linear transformers in AC/DC application
- * EI30 to EI48 size - Input range: 85V-265VAC
- * Regulated output: 3.3VDC-24VDC/ 2.5W-5W-7W-10W-20W-40W-60W
- * Full compliance with Safety, EMC and Immunity standards



EV Charging

- * Wallbox
- * AC/DC Power Converters



PRODUCT INDEX

■ ENCAPSULATED TRANSFORMERS	4 to 25
TECHNICAL INFORMATIONS	4
44000 SERIES	
0.6 VA to 2.8VA / EI30-5 to EI30-18.....	5 to 13
3.2VA to 30 VA / EI38 to EI66	14 to 19
WITH OTHER BOXES	20
45000 SERIES	
1 VA to 60 VA	21 to 24
FLF / FLC SERIES	
3.2 VA to 240 VA.....	25
■ PASSIVE PFC	26 to 34
EI30-23 to EI54-23 / Open & Potted	26 to 34
■ PCB COMPONENTS FOR SWITCHING APPLICATIONS	35 to 95
POWER FERRITE TRANSFORMERS	35 to 59
FLYBACK TRANSFORMERS RANGE.....	35
1 W to 12 W EE16	36 to 46
10 W to 30 W EL19 EF20 EE25	47 to 50
35 W to 180 W ETD29 to ETD44 ERL28.....	51 to 55
FLYBACK TRANSFORMERS STANDARD SIZES.....	56 to 58
COMMON MODE CHOKES FOR EMI SUPPRESSION.....	59 to 63
TOROIDAL CHOKES.....	64
CURRENT TRANSFORMERS RANGE.....	65 to 78
PULSE TRANSFORMER RANGE	79 to 84
POWER LINE COMMUNICATION COUPLING TRANSFORMERS	85 to 87
ACTIVE PFC	88 to 94
THROUGH HOLES CHOKES / SURFACE MOUNT CHOKES	95
■ POWER PRODUCTS	96 to 109
Custom Power Products	96 to 98
DC Chokes	99 to 103
Power Chokes	104 to 109
■ ENCAPSULATED POWER SUPPLY	110 to 112
■ EV CHARGING	113

TECHNICAL INFORMATION

RATED PRIMARY VOLTAGE (V)

This is the supply voltage assigned to the transformer by the manufacturer.

RATED SECONDARY VOLTAGE (V)

This is the secondary output voltage assigned to the transformer when supplied with the rated primary voltage, frequency range, rated secondary current, all assigned by the manufacturer for the specified operating conditions of the transformer.

RATED POWER (VA)

The specified power levels in this catalogue are the secondary power levels, in other words, those available when the transformer is loaded. It is the product of the RMS rated secondary voltage by the RMS rated current. If the transformer has more than one output winding, the rated power denotes the maximum sum of the products of RMS rated secondary voltage by the RMS rated secondary current, respectively. This rated power is defined for rated ambient temperature conditions.

example : $P = 3,2 \text{ VA}$ ta 70°C

The transformer can deliver 3.2VA at maximum ambient (70°C), the load consisting of a resistor load defined by $R(\text{load}) = U(\text{sec})^2/P$ (assigned U sec & P values), heating does not exceed the relevant limit for Class B components used in this construction.

NOTE : When the transformer is intended to supply DC voltage and current in conjunction with rectifiers and smoothing capacitors, the VA power required from the transformer is far higher than the $U(\text{DC})$ and $I(\text{DC})$ product. To help you to determine the true transformer power, our Technical Department is at your disposal.

AMBIENT TEMPERATURE (Ta)

The maximum temperature at which the transformer may be operated continuously under nominal conditions of use. It is the air temperature measured close to the transformer after thermal stabilization when operating at rated conditions.

HEATING

The increase of the winding temperature when operating at rated conditions and maximum ambient temperature. The heating must be determined by the resistance method.

TEMPERATURE CLASS

The international classification of temperature classes is as follows :

A	105°C	H	180 °C
E	120°C	200	200 °C
B	130°C	220	220 °C
F	155°C	250	250 °C

It defines the maximum temperature the transformer components must withstand in continuous operation, in compliance with the N° 85 IEC publication classification. There insulating materials are therefore certificated for the thermal index corresponding to the declared class in accordance with N° 216 IEC standard.

PARTICULAR POINTS OF EN 61558-2-6 STANDARD FOR SAFETY TRANSFORMERS

On-load secondary voltage tolerance.

This should not differ from the rated value by more than :

10% for transformers with built-in resistance to short-circuits (a supplement of 5% is granted on the 2nd secondary for transformers with 2 secondaries).

5% for other transformers whatever the secondaries number.

Off-load secondary voltage.

The values given in this catalogue are maximum theoretical values.

NOTE : For safety transformers, this should never exceed 50 V rms. In the case of a transformer with several secondaries, the sum of the secondary voltages should be less than 50 V rms.

ADAPTED TRANSFORMERS FROM THE STANDARDS SERIES

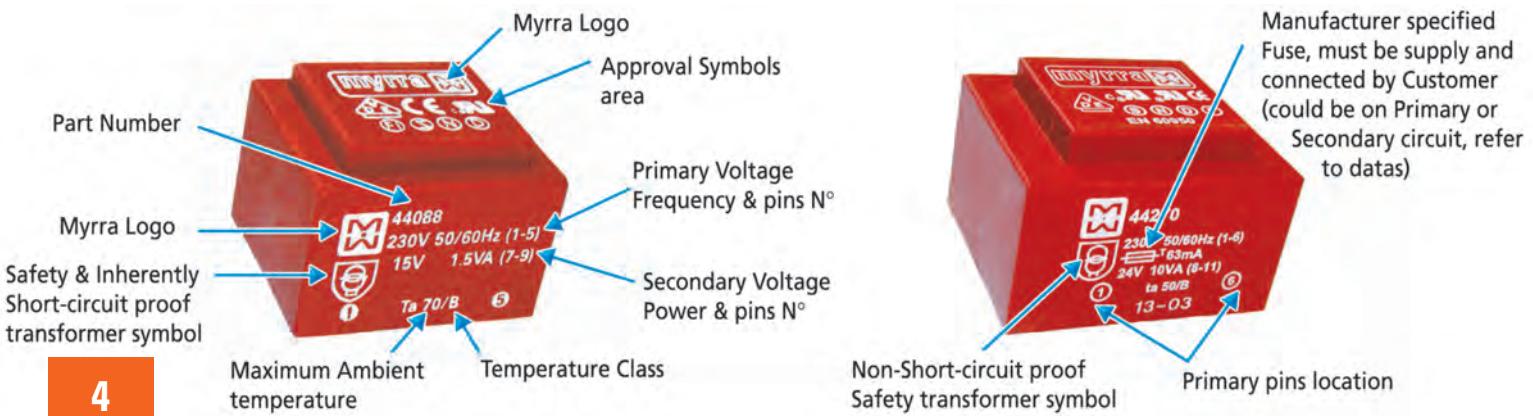
Any transformer whose Power and Ambient corresponding to those of our 44000 & 45000 range, and whose secondary voltage can fit in our minimum to maximum secondary range will be covered by EN61558-2-6, EN60950, or UL506 approvals, depending on the effective choice.

SPECIAL TRANSFORMERS

MYRRA can use the 44000, 45000 or 46000 standard ranges to examine any transformer for compliance with your specifications and with international standards.

On request, we can add thermal protection, thermal fuse, thermal switch-CTP.

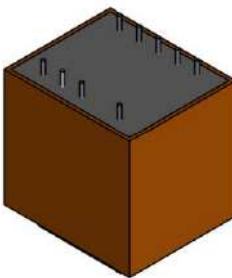
In certain cases, the addition of thermal protection enables the ambient temperature to be increased, while still complying with EN 61558.





NEW

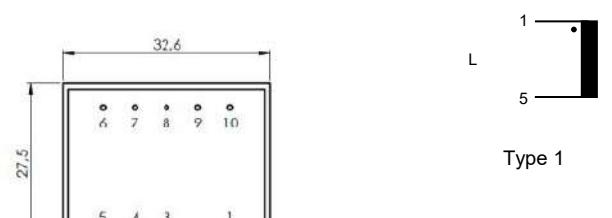
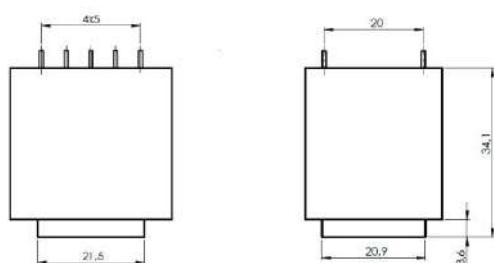
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B



MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (Apk)	Temperature Class	Type
43110	1.0	5.2	10.4	T70 / B	2
43111	1.5	4.2	5.9	T70 / B	2
43112	2.0	3.6	5.1	T70 / B	2
43113	2.5	3.5	4.9	T70 / B	1
43114	3.0	3.2	4.5	T70 / B	1
43115	3.5	3.0	4.2	T70 / B	1
43116	4.0	2.9	4.1	T70 / B	1
43117	4.5	2.5	3.9	T70 / B	1
43118	5.0	2.3	3.8	T70 / B	1
43119	10.0	1.9	2.7	T70 / B	2
43120	15.0	1.5	2.2	T70 / B	1
43121	20.0	1.3	2.1	T70 / B	1

Rated currents (A_{RMS}) will give temperature rising of 40 K.

Saturation currents (A_{pk}) are stated for a maximum inductance drop of 20%

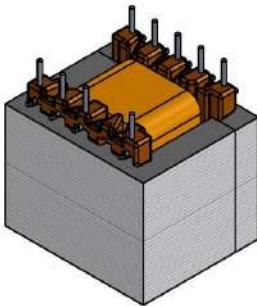


Pin 2 Removed
PCB Drilling Diameter = 1.3mm



NEW

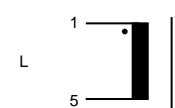
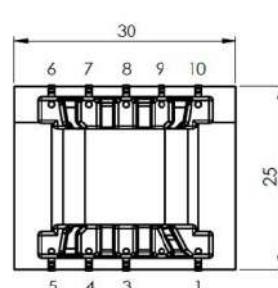
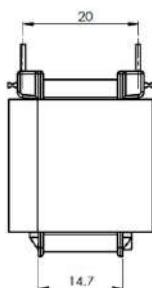
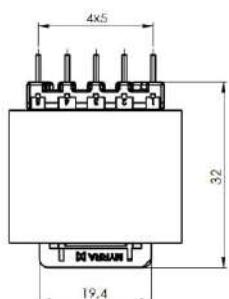
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B



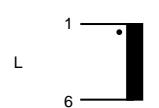
MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (A _{pk})	Temperature Class	Type
43150	1.0	5.2	10.4	T70 / F	2
43151	1.5	3.6	5.9	T70 / F	2
43152	2.0	3.5	5.1	T70 / F	2
43153	2.5	3.2	4.9	T70 / F	1
43154	3.0	3.0	4.5	T70 / F	1
43155	3.5	2.9	4.2	T70 / F	1
43156	4.0	2.5	4.1	T70 / F	1
43157	4.5	2.3	3.9	T70 / F	1
43158	5.0	2.2	3.8	T70 / F	1
43159	10.0	1.9	2.7	T70 / F	2
43160	15.0	1.5	2.2	T70 / F	1
43161	20.0	1.3	2.1	T70 / F	1

Rated currents (Arms) will give temperature rising of 60 K.

Saturation currents (A_{pk}) are stated for a maximum inductance drop of 20%



Type 1



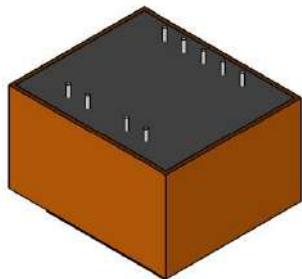
Type 2

Pin 2 Removed
PCB Drilling Diameter = 1.3mm



NEW

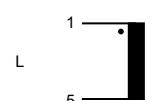
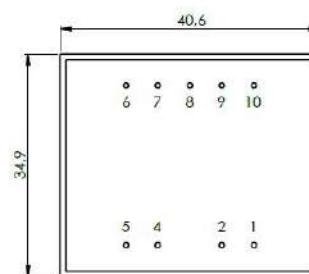
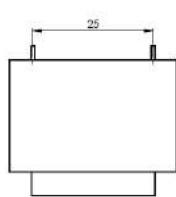
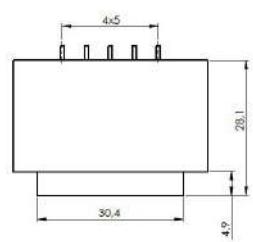
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B



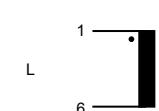
MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (Apk)	Temperature Class	Type
43210	1.0	4.7	10.5	T70 / B	2
43211	1.5	4.6	7.7	T70 / B	1
43212	2.0	4.2	6.4	T70 / B	1
43213	2.5	3.8	6.2	T70 / B	2
43214	3.0	3.4	5.2	T70 / B	2
43215	3.5	3.3	5.1	T70 / B	1
43216	4.0	3.2	5.0	T70 / B	2
43217	4.5	2.9	4.6	T70 / B	2
43218	5.0	2.7	4.0	T70 / B	2
43219	10.0	1.9	2.8	T70 / B	1
43220	15.0	1.5	2.5	T70 / B	2

Rated currents (A_{RMS}) will give temperature rising of 40 K.

Saturation currents (A_{pk}) are stated for a maximum inductance drop of 20%



Type 1



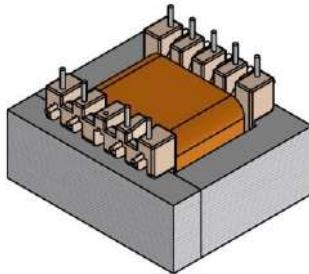
Type 2

Pin 3 Removed
PCB Drilling Diameter = 1.3mm



NEW

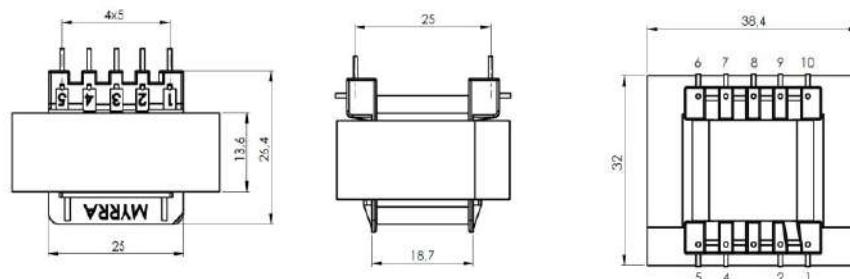
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B



MYRRA Part No°	Inductance (mH)	Rated Current (Arms)	Sat. Current (Apk)	Temperature Class	Type
43250	1.0	4.8	10.5	T70 / F	2
43251	1.5	4.7	7.7	T70 / F	1
43252	2.0	4.6	6.4	T70 / F	1
43253	2.5	4.5	6.2	T70 / F	2
43254	3.0	3.6	5.2	T70 / F	2
43255	3.5	3.5	5.1	T70 / F	1
43256	4.0	3.2	5.0	T70 / F	2
43257	4.5	3.1	4.6	T70 / F	2
43258	5.0	2.9	4.0	T70 / F	2
43259	10.0	2.0	2.8	T70 / F	1
43260	15.0	1.5	2.5	T70 / F	2

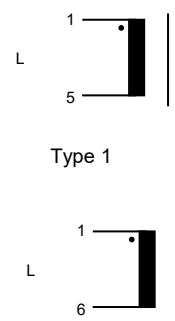
Rated currents (A_{RMS}) will give temperature rising of 60 K.

Saturation currents (A_{pk}) are stated for a maximum inductance drop of 20%



Pin 3 Removed

PCB Drilling Diameter = 1.3mm

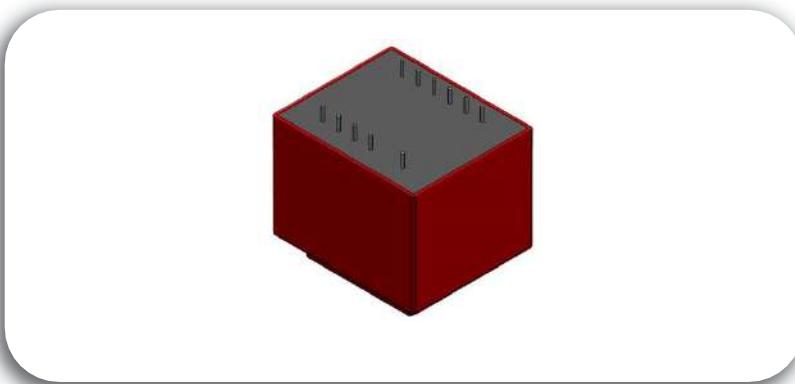


Type 2



NEW

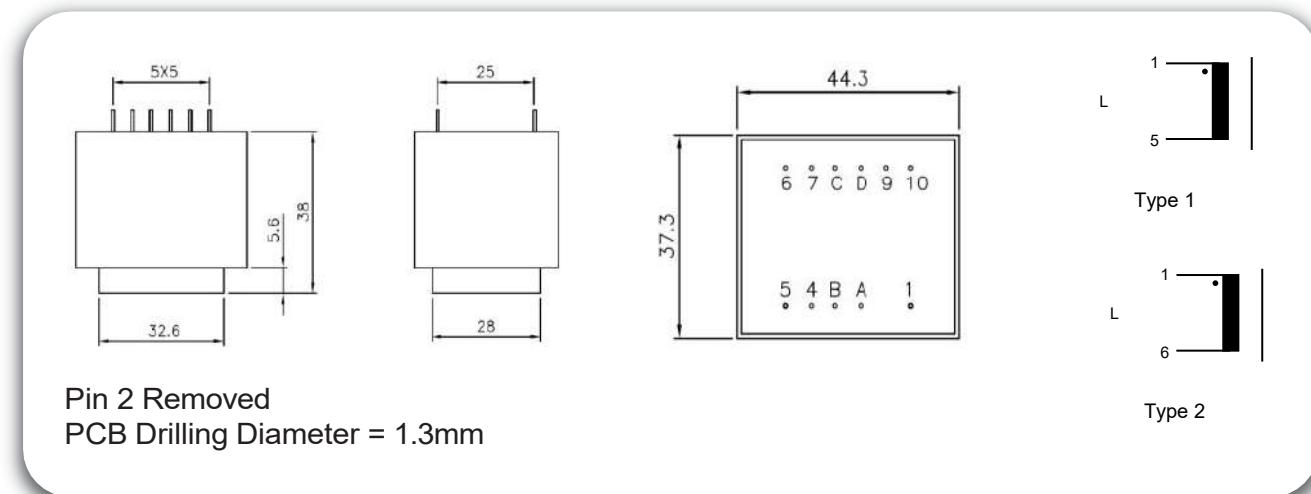
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B



MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (Apk)	Temperature Class	Type
43310	1.0	5.9	14.0	T70 / B	1
43311	1.5	5.8	13.3	T70 / B	1
43312	2.0	5.2	11.4	T70 / B	1
43313	2.5	4.5	9.4	T70 / B	1
43314	3.0	4.4	8.8	T70 / B	2
43315	3.5	4.4	8.4	T70 / B	2
43316	4.0	4.4	7.8	T60 / B	2
43317	4.5	4.0	7.2	T60 / B	2
43318	5.0	3.9	7.0	T60 / B	2
43319	10.0	2.9	5.2	T60 / B	1
43320	15.0	2.4	4.3	T50 / B	2
43321	20.0	2.0	3.5	T50 / B	2

Rated currents (Arms) will give temperature rising of 40 K for T70, 50 K for T60 and 60 K for T50.

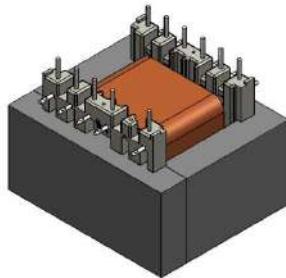
Saturation currents (Apk) are stated for a maximum inductance drop of 20%





NEW

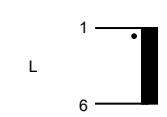
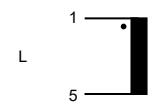
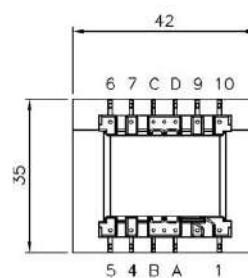
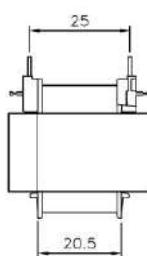
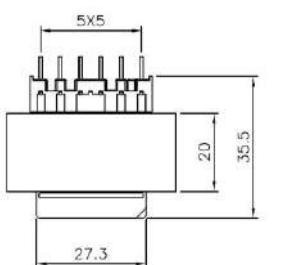
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B



MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (A _{pk})	Temperature Class	Type
43350	1.0	5.9	14.0	T70 / F	1
43351	1.5	5.8	13.3	T70 / F	1
43352	2.0	5.2	11.4	T70 / F	1
43353	2.5	4.5	9.4	T70 / F	1
43354	3.0	4.4	8.8	T60 / F	2
43355	3.5	4.4	8.4	T50 / F	2
43356	4.0	4.4	7.8	T50 / F	2
43357	4.5	4.0	7.2	T50 / F	2
43358	5.0	3.9	7.0	T50 / F	2
43359	10.0	2.9	5.2	T50 / F	1
43360	15.0	2.4	4.3	T50 / F	2
43361	20.0	2.0	3.5	T50 / F	2

Rated currents (A_{RMS}) will give temperature rising of 60 K for T70, 70 K for T60 and 80 K for T50.

Saturation currents (A_{pk}) are stated for a maximum inductance drop of 20%

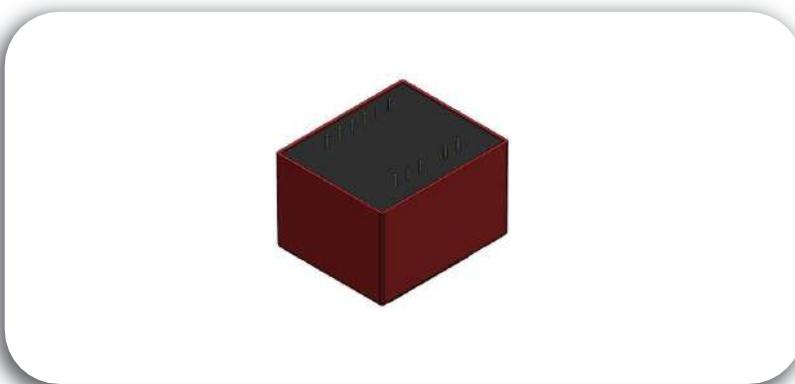


Pin 2 Removed
PCB Drilling Diameter = 1.3mm



NEW

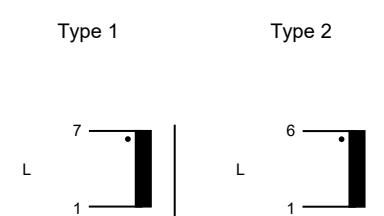
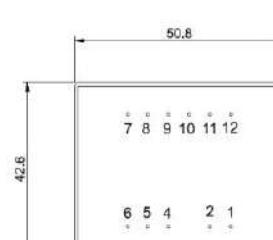
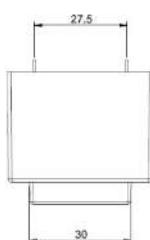
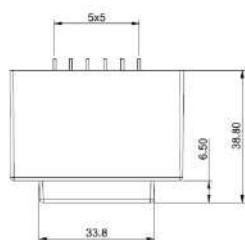
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B
- Compliant with IEC61558-2-20



MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (Apk)	Temperature Class	Type
43410	1.0	8.7	16.2	T70 / B	1
43411	1.5	7.8	12.6	T70 / B	2
43412	2.0	6.8	10.6	T70 / B	3
43413	2.5	5.6	9.6	T70 / B	4
43414	3.0	5.5	8.1	T70 / B	4
43415	3.5	4.7	7.8	T70 / B	4
43416	4.0	4.4	7.1	T70 / B	4
43417	4.5	4.3	6.8	T70 / B	4
43418	5.0	4.2	6.2	T70 / B	4
43419	10.0	3.0	5.5	T70 / B	3
43420	15.0	2.5	4.1	T70 / B	4
43421	20.0	2.2	2.9	T70 / B	4

Rated currents (Arms) will give temperature rising of 40 K.

Saturation currents (Apk) are stated for a maximum inductance drop of 20%



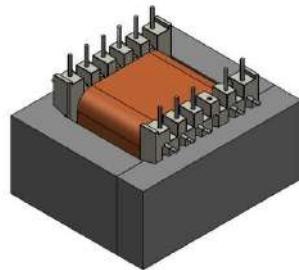
Pin 3 Removed

PCB Drilling Diameter = 1.3mm

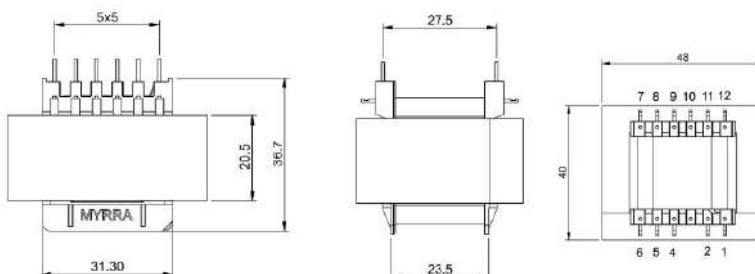


NEW

- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B
- Compliant with IEC61558-2-20

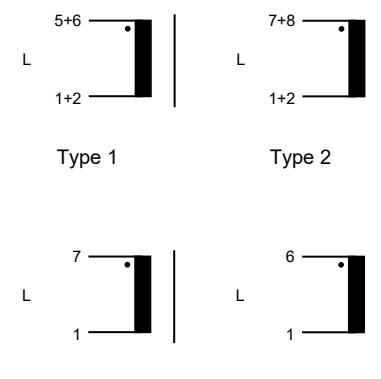


MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (Apk)	Temperature Class	Type
43450	1.0	7.9	16.2	T70 / F	1
43451	1.5	7.3	12.6	T70 / F	2
43452	2.0	6.0	10.6	T70 / F	3
43453	2.5	5.0	9.6	T70 / F	4
43454	3.0	5.0	8.1	T70 / F	4
43455	3.5	4.2	7.8	T70 / F	4
43456	4.0	3.9	7.1	T70 / F	4
43457	4.5	3.9	6.8	T70 / F	4
43458	5.0	3.9	6.2	T70 / F	4
43459	10.0	2.7	6.2	T70 / F	3
43460	15.0	2.3	4.1	T70 / F	4
43461	20.0	2.0	2.9	T70 / F	4

Rated currents (A_{RMS}) will give temperature rising of 60 K.Saturation currents (A_{pk}) are stated for a maximum inductance drop of 20%

Pin 3 Removed

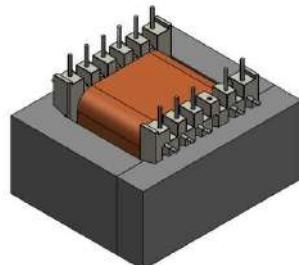
PCB Drilling Diameter = 1.3mm





NEW

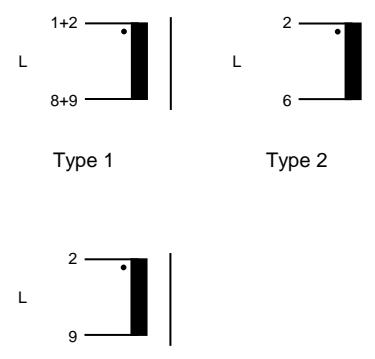
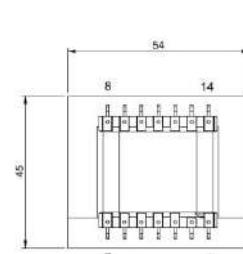
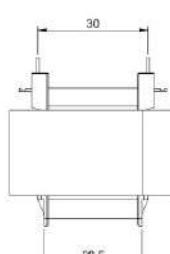
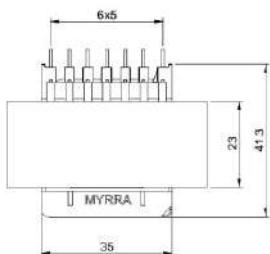
- Exclusively uses UL94-V0 listed materials
- Construction conforms to the certified MYRRA Class B UL Electrical Insulation System E113497-B
- Compliant with IEC61558-2-20



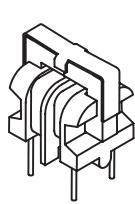
MYRRA Part N°	Inductance (mH)	Rated Current (Arms)	Sat. Current (Apk)	Temperature Class	Type
43550	1.0	7.7	21.5	T70 / F	1
43551	1.5	6.3	17.0	T70 / F	1
43552	2.0	5.5	14.3	T70 / F	2
43553	2.5	5.4	13.5	T70 / F	2
43554	3.0	5.1	12.4	T70 / F	2
43555	3.5	4.5	10.8	T70 / F	2
43556	4.0	4.1	9.6	T70 / F	2
43557	4.5	3.9	9.2	T70 / F	3
43558	5.0	3.9	9.0	T70 / F	3
43559	10.0	3.0	6.9	T70 / F	2
43560	15.0	2.5	5.7	T70 / F	2
43561	20.0	2.0	4.6	T70 / F	3

Rated currents (Arms) will give temperature rising of 60 K.

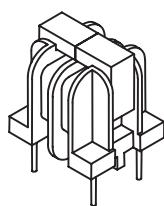
Saturation currents (Apk) are stated for a maximum inductance drop of 20%



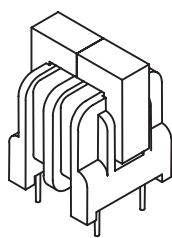
PCB Drilling Diameter = 1.3mm



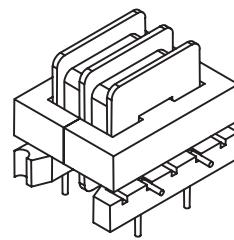
U9.8



U10.5



U16

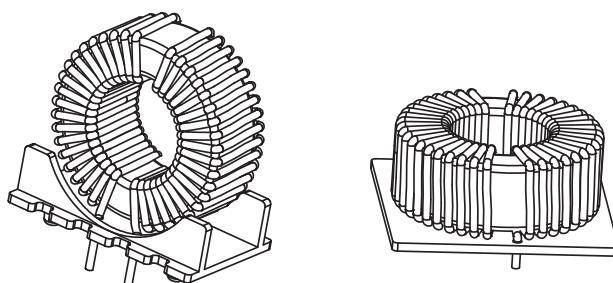


E25

- Mainly used to reduce noise conducted through power or signal lines.
- The common mode inductance filters symmetrical noise, associated with Y-type safety capacitors connected to ground.
- The differential mode inductance filters asymmetrical noise, associated with X-type capacitor connected between Line and Neutral.

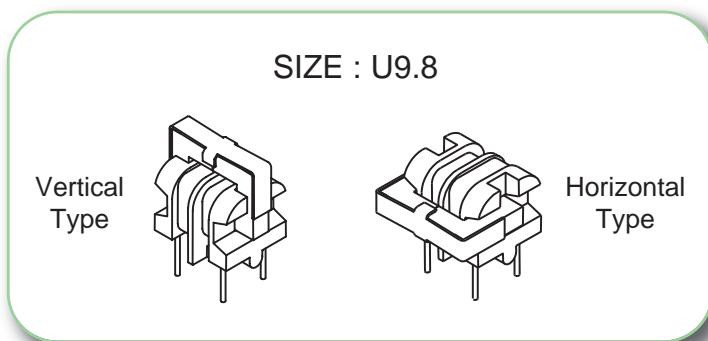
MYRRA Part N°	SIZE	Inductance range	Current range
74330 - 74339	U9.8	1.5 to 47mH	0.18 to 1.1A
74300 - 74306	U10.5	1.5 to 68mH	0.30 to 1.9A
74310 - 74315	U16	1.5 to 33mH	0.75 to 3.3A
74320 - 74325	E25	1.5 to 33mH	0.90 to 4.0A

- Toroidal Common Mode Chokes - Custom design available upon request





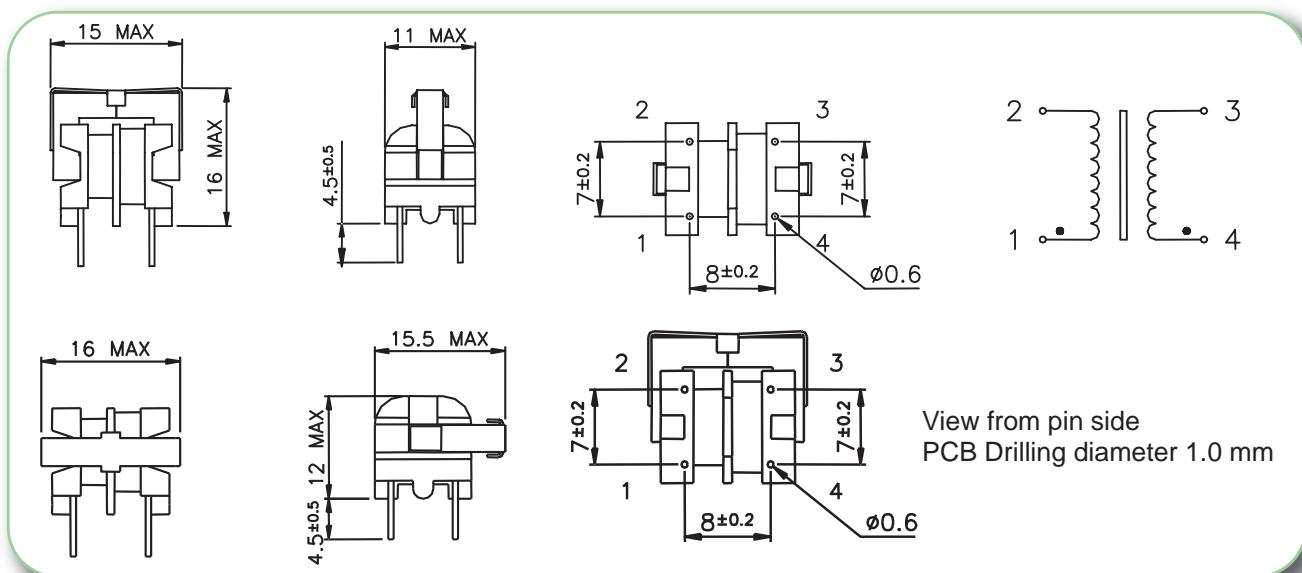
- Ambient Temperature $\leq 50^{\circ}\text{C}$
- Dielectric Strength $\geq 1.5 \text{ kV}$ between windings
- Electrical characteristics at 25°C



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°		Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode μH min	Resonant Frequency kHz min
Vertical Type	Horizontal Type					
74330	74335	33 - 56	0.18	7	710	210
74331	74336	18 - 31	0.26	3.5	360	280
74332	74337	10 - 17	0.35	2.0	210	400
74333	74338	4.7 - 8	0.5	.95	100	610
74334	74339	2.2 - 3.7	0.8	.4	45	910

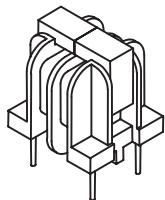
MECHANICAL CHARACTERISTICS / PINOUT :





- Ambient Temperature $\leq 50^{\circ}\text{C}$
- Dielectric Strength $\geq 1.5 \text{ kV}$ between windings
- Electrical characteristics at 25°C

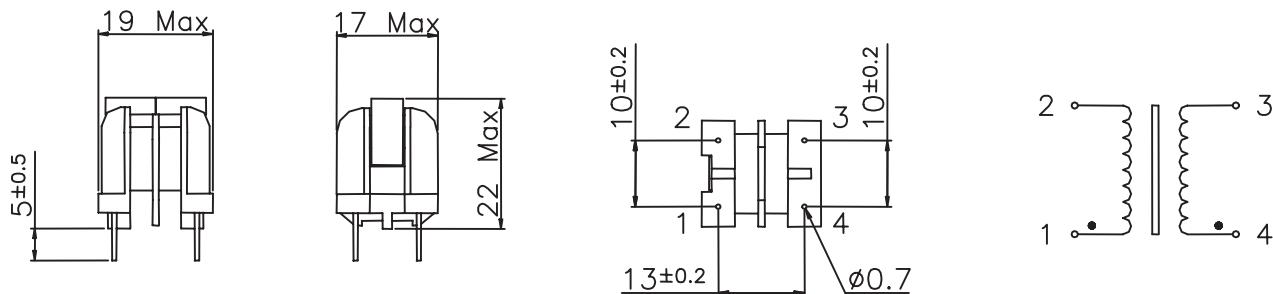
SIZE : U10.5



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode μH min	Resonant Frequency kHz min
74306	51 - 85	0.3	4	530	125
74300	33 - 56	0,35	3	400	170
74301	18 - 31	0,45	1,7	240	220
74302	10 - 17	0,6	1	140	320
74303	4.7 - 8	0,9	0,43	65	480
74304	2.2 - 3.7	1,3	0,23	32	740
74305	1 - 1.7	1,9	0,1	14	1000

MECHANICAL CHARACTERISTICS / PINOUT :

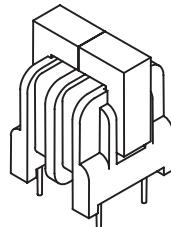


View from pin side
PCB Drilling diameter 1.1 mm



- Ambient Temperature $\leq 50^{\circ}\text{C}$
- Dielectric Strength $\geq 1.5 \text{ kV}$ between windings
- Electrical characteristics at 25°C

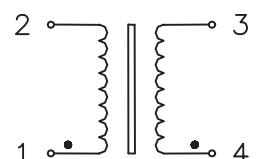
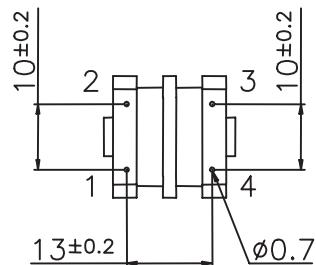
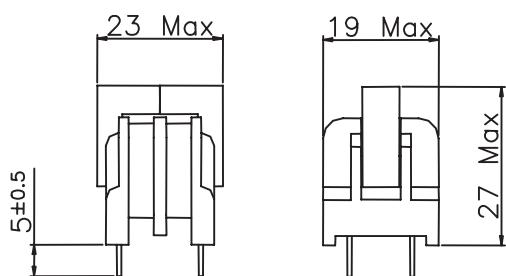
SIZE : U16



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode μH min	Resonant Frequency kHz min
74310	22 – 37	0,75	1	230	170
74311	15 – 25	0,9	0,75	150	210
74312	10 – 17	1,1	0,44	100	280
74313	4.7 – 8	1,5	0,24	50	440
74314	2.2 – 3.7	2,3	0,095	20	650
74315	1 – 1.7	3,3	0,046	10	1000

MECHANICAL CHARACTERISTICS / PINOUT :

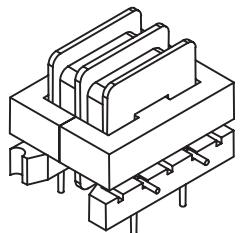


View from pin side
PCB Drilling diameter 1.1 mm



- Ambient Temperature $\leq 50^{\circ}\text{C}$
- Dielectric Strength $\geq 1.5 \text{ kV}$ between windings
- Electrical characteristics at 25°C

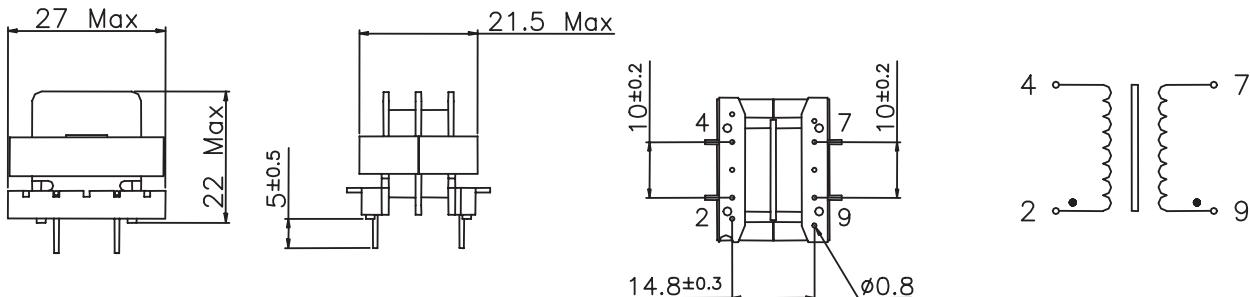
SIZE : E25



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode μH min	Resonant Frequency kHz min
74320	22 – 37	0,9	0,54	130	170
74321	15 – 25	1,1	0,35	90	210
74322	10 - 17	1,3	0,22	50	270
74323	4.7 - 8	1,8	0,105	25	400
74324	2.2 - 3.7	2,7	0,05	11	630
74325	1 - 1.7	4	0,03	7	950

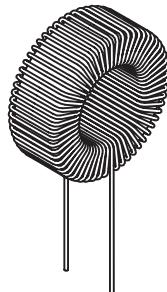
MECHANICAL CHARACTERISTICS / PINOUT :



View from pin side
PCB Drilling diameter 1.2 mm



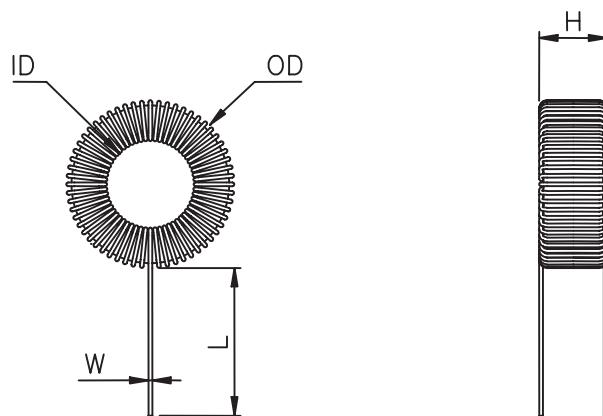
- For noise suppression in light dimmers
- Saturable chokes : provides a high impedance for Triac switching interferences, and a low impedance for 50Hz component.
- Electrical characteristics at 25 °



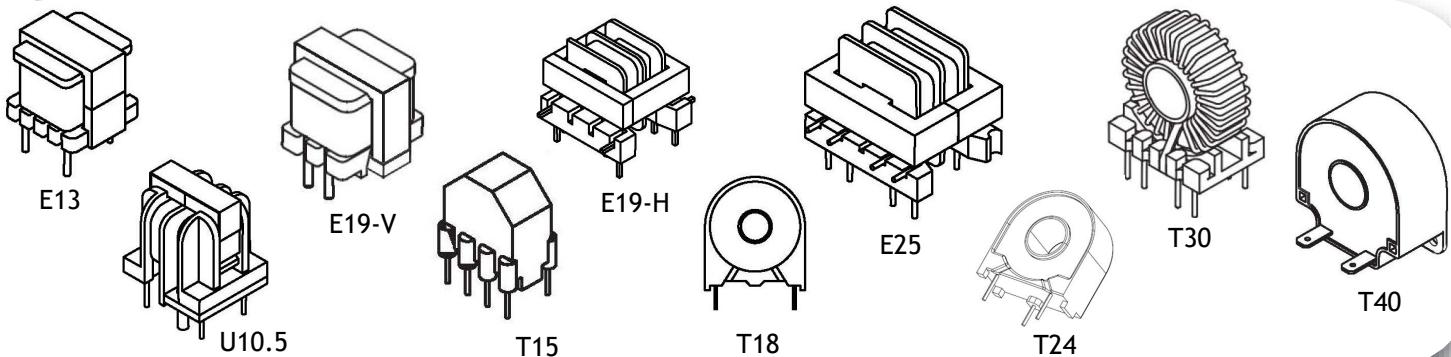
ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Power	Inductance +/- 15 %	Rated Current	Resistance	Associated Capacitor	Dimensions (mm)				Approx. Weight
						OD max	ID min	H max	W max	
74190	150 w	3.5 mH	0.7 Arms	1.5 Ω	22 nF	24	9	9.5	0.5	13 g
74191	300 w	2.8 mH	1.3 Arms	0.73 Ω	47 nF	29	10	12	0.7	24 g
74192	500 w	2.0 mH	2.2 Arms	0.35 Ω	82 nF	32.5	9	16	0.9	47 g
74196	500 w	1.8 mH	2.2 Arms	0.37 Ω	82 nF	38	14	12	0.9	39 g
74193	1000 w	1.3 mH	4.5 Arms	0.15 Ω	220 nF	44	14	16.5	1.2	80 g
74194	2200 w	450 µH	10 Arms	0.04 Ω	470 nF	50	12	22.5	1.8	140 g
74195	4500 w	250 µH	20 Arms	0.014 Ω	1 µF	58	10	28	2.5	250 g

MECHANICAL CHARACTERISTICS :



CURRENT TRANSFORMERS RANGE

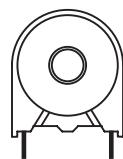


- FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz

MYRRA P/N	SIZE	Ratio	Current range
PIN PRIMARY - up to 25A			
74521	Size E19-H	Ratio 1 / 1 / 750	Current 10 A / 20 A
74523	Size E19-V	Ratio 1 / 500	Current 15 A
74531	Size E25	Ratio 1 / 1 / 1000	Current 12.5 A / 25 A
74533	Size E25	Ratio 1 / 1000	Current 8 A
74534	Size E25	Ratio 1 / 350	Current 4 A
74561	Size U10.5	Ratio 1 / 2000	Current 8 A
THRU-HOLE PRIMARY - up to 250A			
74503	Size T18	Ratio 1 / 1000	Current 12 A
74504	Size T18	Ratio 1 / 750	Current 10 A
74511	Size T30	Ratio 1 / 1000	Current 60 A
74543, 74544, 74545	Size T40	Ratio 1 / 500	Current 100 A
74546, 74547, 74548	Size T40	Ratio 1 / 1000	Current 250 A
74583	Size T24	Ratio 1 / 1000	Current 80 A
74584	Size T24	Ratio 1 / 2000	Current 100A

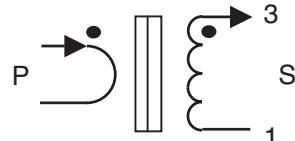
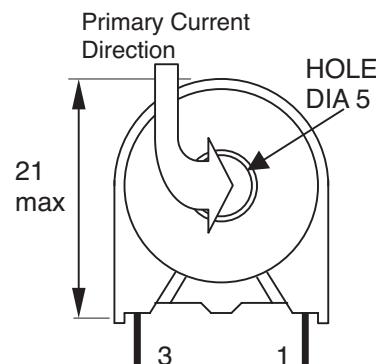
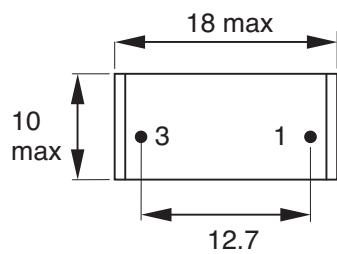
- FOR SWITCH MODE POWER SUPPLIES - 1 to 500kHz

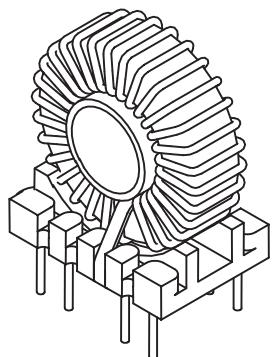
MYRRA P/N	SIZE	Ratio	Current range
PIN PRIMARY - up to 25A			
74505	Size T15	Ratio 1 / 50	Current 25 A
74506	Size T15	Ratio 1 / 100	Current 25 A
74507	Size T15	Ratio 1 / 200	Current 25A
74508	Size T15	Ratio 1 / 500	Current 25A
74509	Size T15	Ratio 1 / 1000	Current 25 A
74520	Size E19-H	Ratio 1 / 1 / 100	Current 10 A/ 20 A
74530	Size E25	Ratio 1 / 1 / 100	Current 12.5 A/ 25 A
74550	Size E13	Ratio 1 / 100	Current 10 A
74560	Size U10.5	Ratio 1 / 100	Current 10 A
74562	Size U10.5	Ratio 1 / 100	Current 10 A
74570	Size T15	Ratio 1 / 1 / 50	Current 10 A/ 20 A
THRU-HOLE PRIMARY - up to 200A			
74500	Size T18	Ratio 1 / 50	Current 15 A
74501	Size T18	Ratio 1 / 100	Current 25 A
74502	Size T18	Ratio 1 / 200	Current 25 A
74510	Size T30	Ratio 1 / 100	Current 150 A
74540, 74541, 74542	Size T40	Ratio 1 / 100	Current 200 A
74580	Size T24	Ratio 1 / 50	Current 60 A
74581	Size T24	Ratio 1 / 100	Current 80 A
74582	Size T24	Ratio 1 / 200	Current 60 A



MYRRA Part N°	Sec. Turns	Max Pri. Current Arms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74500	50	15 A	0.6 Ω	5	175 V.µS 20 – 200 kHz	15 V 20 – 200 kHz	50 Ω / 1% / 15 A
74501	100	25 A	1.5 Ω	20	350 V.µS 20 – 100 kHz	25 V 20 – 100 kHz	100 Ω / 1% / 25 A
74502	200	25 A	5 Ω	80	700 V.µS 20 – 100 kHz	50 V 20 – 100 kHz	200 Ω / 1% / 25 A
74503	1000	12 A	45 Ω	2000	2.5 V.ms 50 Hz	0.15V/ 50 Hz/ 12A 0.6V/ 50 Hz/ 8A	≤ 10 Ω / 2% / 12 A ≤ 40 Ω / 2% / 8 A
74504	750	10 A	35 Ω	1100	2.0 V.ms 50 Hz	0.13V/ 50 Hz/ 10A 0.3V/ 50 Hz/ 5A	≤ 10 Ω / 2% / 10 A ≤ 40 Ω / 2% / 5 A

Data applies for one primary turn (single passage of primary wire through toroid hole).
Sensitivity can be increased for lower currents by winding more than one turn.

**74500 / 74501 / 74502
74503 / 74504**




MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74510	100	150 A	0.25Ω	40	1 V.ms/ 20 kHz 700 V μs/ 100 kHz	50 V/ 20 kHz 80 V/ 100 kHz	1 - 20 Ω / 1%
74511	1000	60 A	32 Ω	4000	10 V.ms/ 50 Hz	0.6 V/ 50 Hz/ 60 A 1 V/ 50 Hz/ 40 A	≤ 10 Ω / 1% / 60 A ≤ 20 Ω / 1% / 40 A

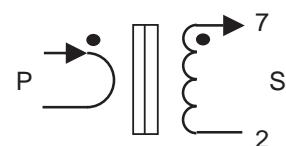
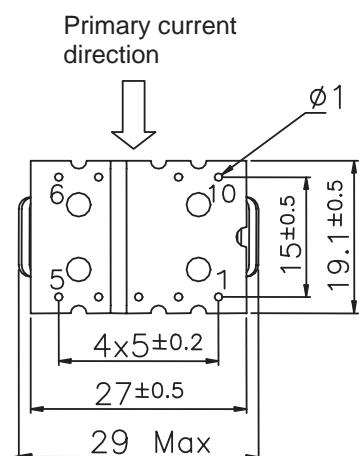
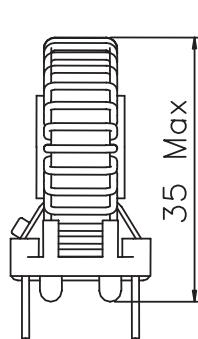
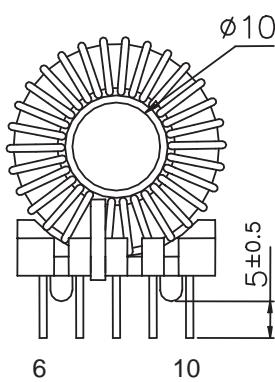
Data applies for one primary turn (single passage of primary wire through toroid hole).

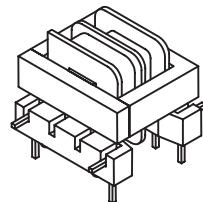
Sensitivity can be increased for lower currents by winding more than one turn.

Models with 50, 100, 200 turns are designed for switch-mode power conversion (up to 200 kHz).

Models with 500 and 1000 turns are designed for Mains current measurement (50 to 400 Hz).

74510/ 74511





FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/S
74520	1/1/100	20 A parallel 10 A serie	1.5	8	400 V.µs	50 Vrms	10 – 100 Ω / 1% / 10 A	2500 V

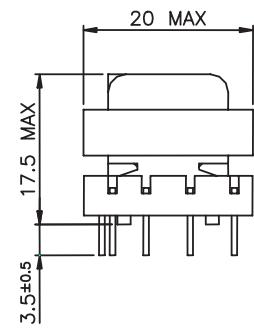
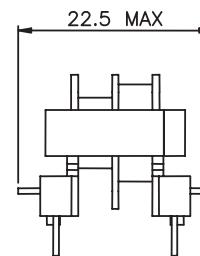
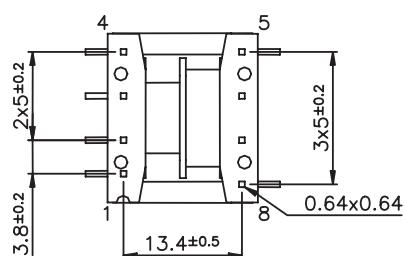
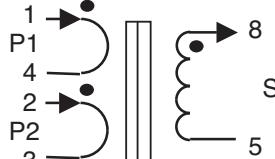
FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/S
74521	1/1/750	20 A parallel 10 A serie	57	300	15 V.ms	3 Vrms	≤ 75 Ω / 4% / 20 A	2500 V

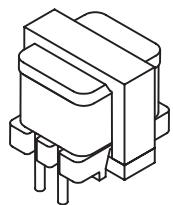
SAFETY :

These products are only composed of UL approved materials.

These products have a construction conform to CEI950, CEI335, CEI61558 for Basic insulation (3 mm creepage distance)

74520/ 74521

Pins 6 & 7 removed for locating
PCB drill @ Ø 1.3 mm



FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz

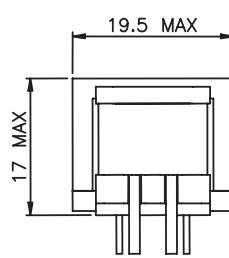
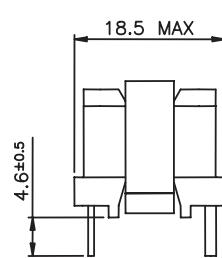
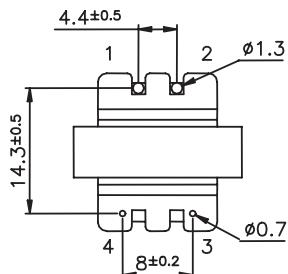
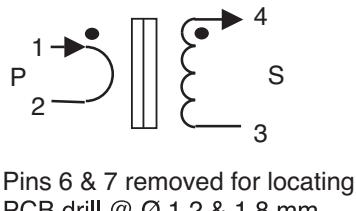
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/S
74523	1 / 500	15 A	155	670	30 V.ms	6 Vrms	≤ 50 Ω / 2% / 15 A ≤ 200 Ω / 5% / 10 A	1500 V

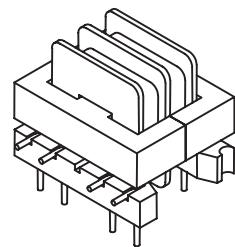
SAFETY :

This product is only composed of UL approved materials.

This product has a construction conform to CEI950, CEI335, CEI61558 for Functional insulation

74523





FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/S
74530	1/1/100	25 A parallel 12.5 A serie	1	10	600 V. μ s	80 Vrms	10 - 100 Ω / 1% / 25 A	2500 V

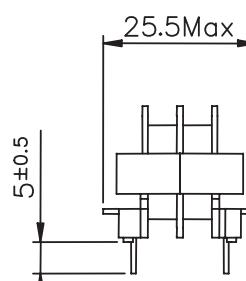
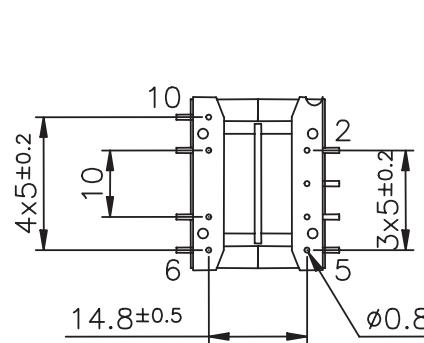
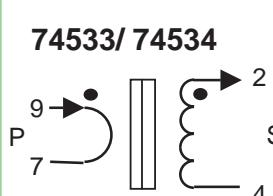
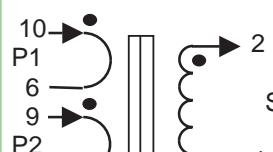
FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/S
74531	1/1/1000	25 A parallel 12.5 A serie	90	4 H	8 V.ms	1.6 Vrms	≤ 50 Ω / 2% / 20 A	2500 V
74533	1/1000	8 A	360	17 H	15 V.ms	3 Vrms	≤ 200 Ω / 1% / 8 A ≤ 500 Ω / 1.5% / 5 A	2500 V
74534	1/350	4 A	380	19 H	15 V.ms	3 Vrms	≤ 100 Ω / 1% / 4 A ≤ 500 Ω / 1% / 2 A	2500 V

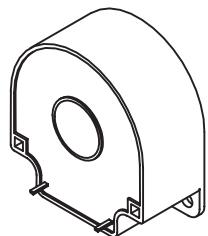
SAFETY :

These products are only composed of UL approved materials.

These products have a construction conform to CEI950, CEI335, CEI61558 for Basic insulation (3 mm creepage distance)

74530/ 74531

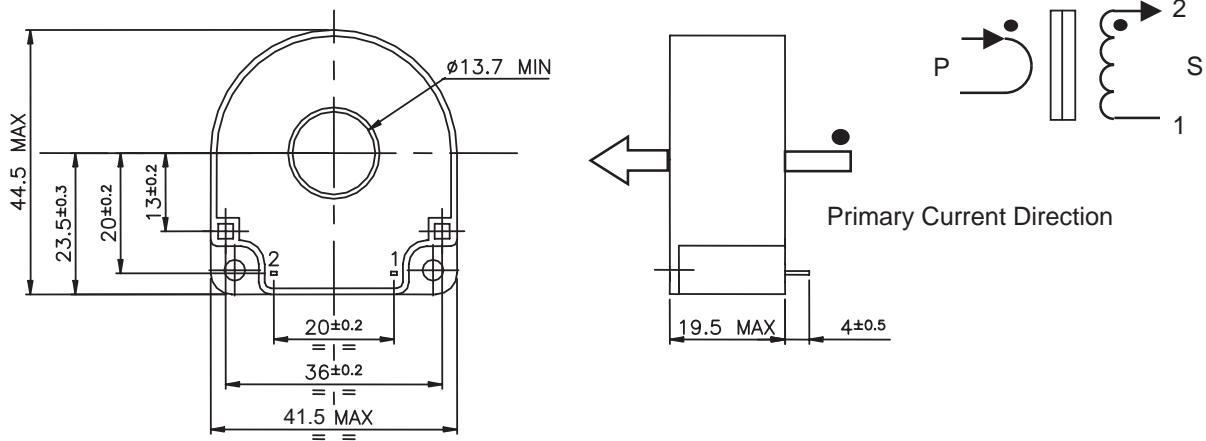
Pins 1 & 8 removed for locating
PCB drill @ Ø 1.3mm

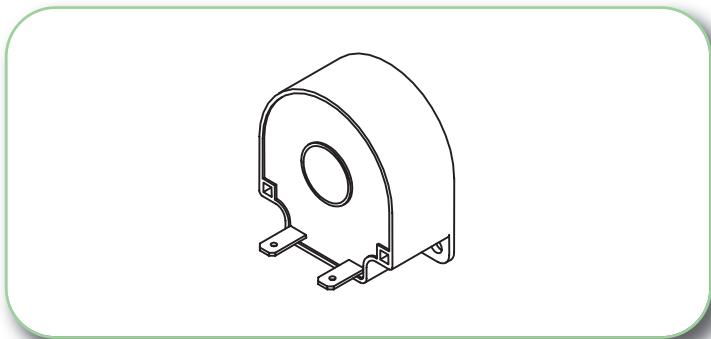


MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74540	100	200 A	0.35 Ω	50	2 V.ms/ 20 kHz 1 V.ms/ 100 kHz	150 V/ 20 kHz 150 V/ 100 kHz	1.20 Ω / 1%
74543	500	100 A	6.5 Ω	1250	10 V.ms/ 50 Hz	0.7 V/ 50Hz/ 100 A 1.2 V/ 50Hz/ 60 A	≤ 3 Ω / 1% / 100 A ≤ 10 Ω / 1% / 60 A
74546	1000	250 A	22 Ω	8000	100 V.ms/ 50 Hz	15 V/ 50 Hz/ 250 A	≤ 50 Ω / 1% / 250 A

Data applies for one primary turn (single passage of primary wire through toroid hole).
Sensitivity can be increased for lower currents by winding more than one turn.

74540/ 74543/ 74546 Pin type (for PCB) □ 0.6 x 0.95

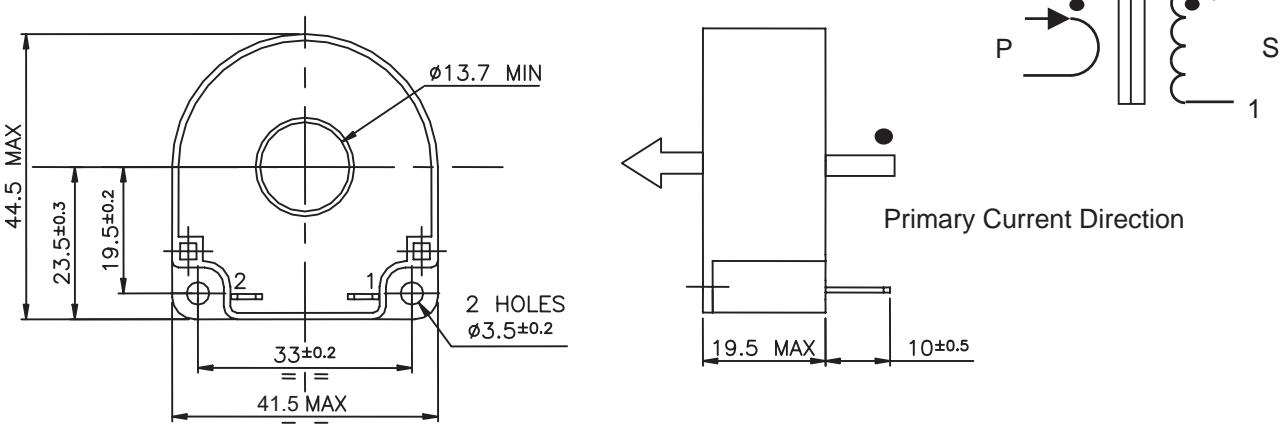


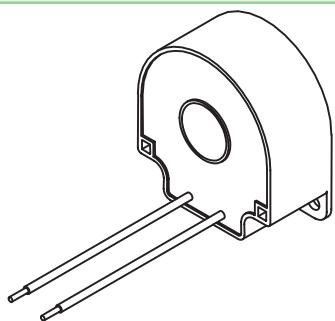


MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74541	100	200 A	0.35 Ω	50	2 V.ms/ 20 kHz 1 V.ms/ 100 kHz	150 V/ 20 kHz 150 V/ 100 kHz	1..20 Ω / 1%
74544	500	100 A	6.5 Ω	1250	10 V.ms/ 50 Hz	0.7 V/ 50Hz/ 100 A 1.2 V/ 50Hz/ 60 A	≤ 3 Ω / 1% / 100 A ≤ 10 Ω / 1% / 60 A
74547	1000	250 A	22 Ω	8000	100 V.ms/ 50 Hz	15 V/ 50 Hz/ 250 A	≤ 50 Ω / 1% / 250 A

Data applies for one primary turn (single passage of primary wire through toroid hole). Sensitivity can be increased for lower currents by winding more than one turn.

74541/ 74544/ 74547 FASTON Connectors (4.8 x 0.8)

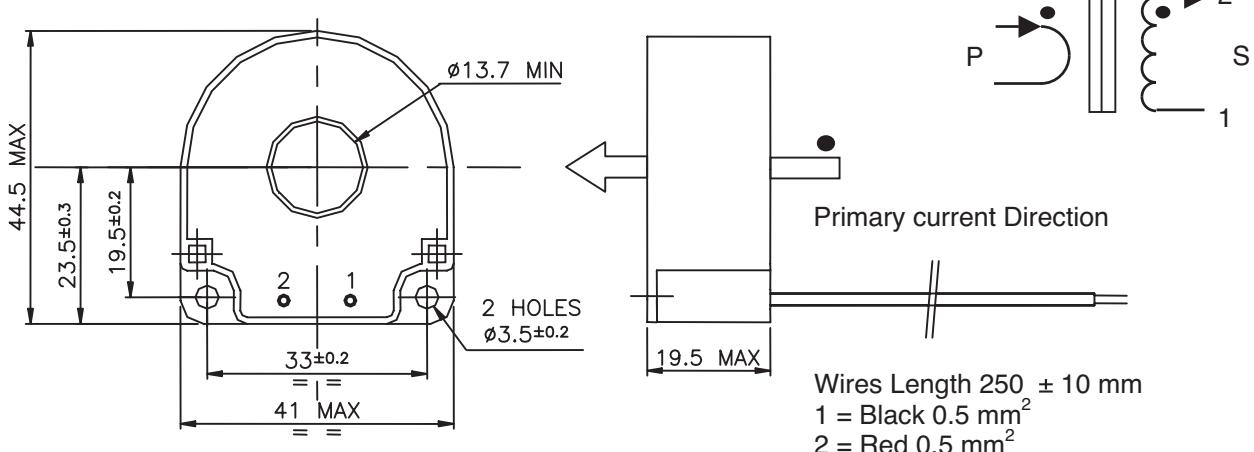


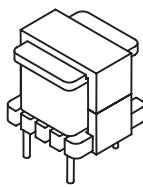


MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74542	100	200 A	0.35 Ω	50	2 V.ms/ 20 kHz 1 V.ms/ 100 kHz	150 V/ 20 kHz 150 V/ 100 kHz	1.20 Ω / 1%
74545	500	100 A	6.5 Ω	1250	10 V.ms/ 50 Hz	0.7 V/ 50Hz/ 100 A 1.2 V/ 50Hz/ 60 A	≤ 3 Ω / 1% / 100 A ≤ 10 Ω / 1% / 60 A
74548	1000	250 A	22 Ω	8000	100 V.ms/ 50 Hz	15 V/ 50 Hz/ 250 A	≤ 50 Ω / 1% / 250 A

Data applies for one primary turn (single passage of primary wire through toroid hole).
Sensitivity can be increased for lower currents by winding more than one turn.

74542/ 74545/ 74548 Wires type





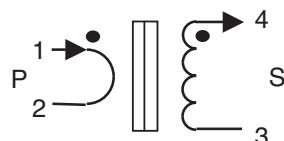
FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/S
74550	1/ 100	10	2.3	6	250 V.μs	40 Vrms	10 – 100 Ω / 1% / 10 A	1500 V

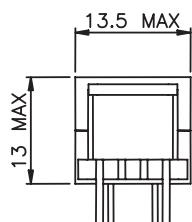
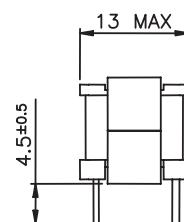
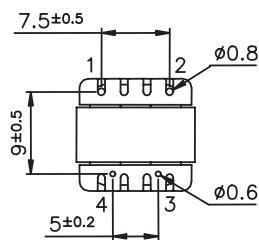
SAFETY:

This product is only composed of UL approved materials.

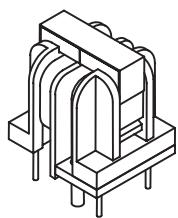
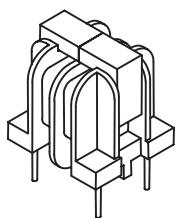
This product has a construction conform to CEI950, CEI335, CEI61558 for functional insulation

74550

PCB drill @ Ø 1 & 1.3 mm



PIN PRIMARY TYPES



FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74560	1/ 100	10	1.1	12	300 V. μ s	25 Vrms	5 – 50 Ω / 1% / 10 A	4000 V
74562	1/ 100	25	1.1	12	300 V. μ s	25 Vrms	5 – 50 Ω / 1% / 25 A	4000 V

FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74561	1/ 2000	8 A	400	4.5 H	5 V.ms	1 Vrms	≤ 100 Ω / 2% / 6 A	4000 V

SAFETY :

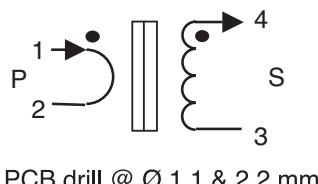
These products are only composed of UL approved materials.

These products have a construction conform to CEI950, CEI335, CEI61558 for Reinforced insulation

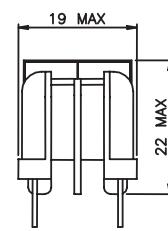
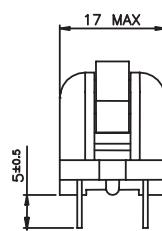
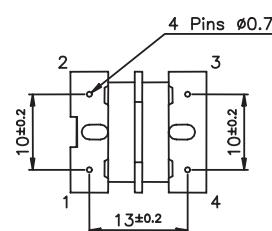
74560, 74561 : 8 mm creepage distance

74562 : 6 mm creepage distance

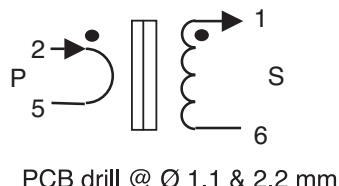
74560/ 74561



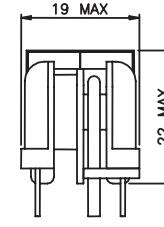
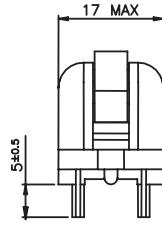
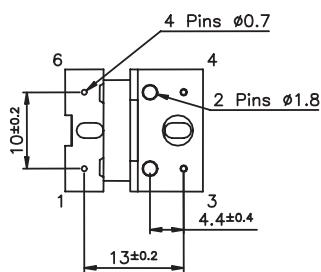
PCB drill @ Ø 1.1 & 2.2 mm

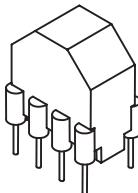


74562



PCB drill @ Ø 1.1 & 2.2 mm





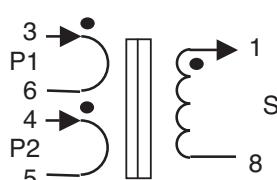
FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz

MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/S
74570	1/1/50	20 A parallel 10 A serie	0.32	9	150 V.μs	12 Vrms	5 – 25 Ω / 1% / 20 A	4000 V

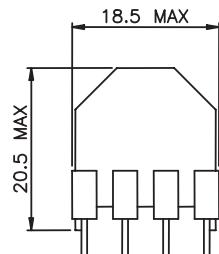
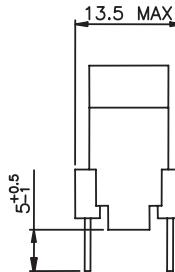
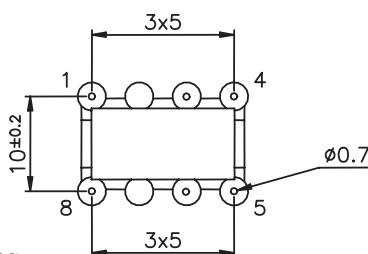
SAFETY :

This product is only composed of UL approved materials.

This product has a construction conform to CEI950, CEI335, CEI61558 for Reinforced insulation (8 mm creepage distance)

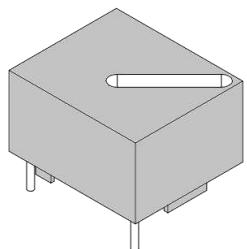
74570

Pins 2 & 7 removed for locating
PCB drill @ Ø 1.1mm





NEW



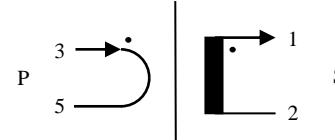
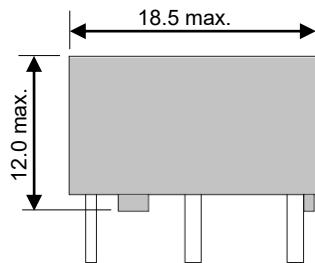
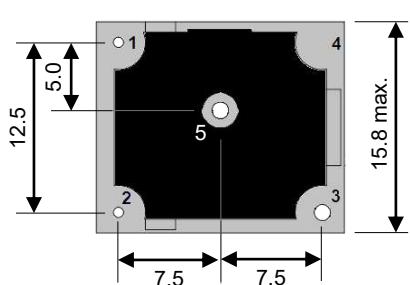
- Primary / Secondary Insulation $\geq 4000V$
- PD2 - Creepage distances $\geq 6mm$
- Construction conforms to IEC60335-1, IEC60950-1, IEC61558-2-16 for reinforced insulation
- Exclusively uses UL94-V0 listed materials

MYRRA Part N°	Sec. Turns	Ip max. (Arms)	Rsec. Ω max	Lsec. mH min	E*Tmax. (V. μ S) 20 – 200 kHz	Recommended frequency range	Typical Load/ Accuracy/ Current
74505	50	25	0.26 Ω	4.7	175 V. μ S 20 – 200 kHz	25 ~ 500 kHz	20 Ω / 1%
74506	100	25	1.2 Ω	18	350 V. μ S 20 – 100 kHz	10 ~ 250 kHz	20 Ω / 1%
74507	200	25	4.5 Ω	75	700 V. μ S 20 – 100 kHz	5 ~ 120 kHz	40 Ω / 1%
74508	500	25	16 Ω	390	2.5 V.ms 50 Hz	1 ~ 20 kHz	50 Ω / 1%
74509	1000	25	45 Ω	1400	2.0 V.ms 50 Hz	0.1 ~ 10 kHz	20 Ω / 1%

(*) **Lsec** : @ 1 kHz – 0.1 V – 25 °C for 74580 to 74582

@ 50 Hz – 0.1 V – 25 °C for 74583 and 74584

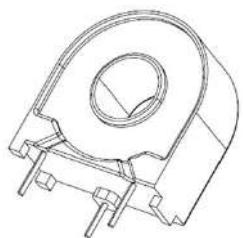
E*T : $R_b \times (I_p / N_s) / (2 \times F)$ with F= frequency (Hz) and R_b = Load resistance (Ω)



PIN 4 Removed
PCB Drilling Diameter =
1.1mm



NEW



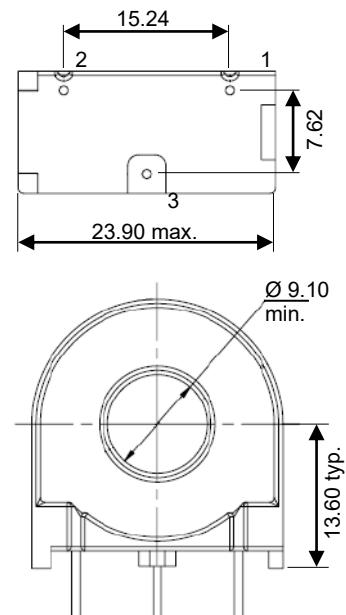
- Primary / Secondary Insulation \geq 4000V
- Exclusively uses UL94-V0 listed materials

MYRRA Part N°	Turns ratio (P/S)	Ip max. (Arms)	Rsec. Ω max	Lsec. mH min	E*Tmax. (V. μ Sec.)	Recommended frequency range	Typical Load/ Accuracy/ Current
74580	1/50	60	0.3 Ω	5.5 @1kHz – 0.1V – 25°C	390	20 ~ 200 kHz	13 Ω / 1%
74581	1/100	80	0.7 Ω	22.3 @1kHz – 0.1V – 25°C	800	20 ~ 100 kHz	40 Ω / 1%
74582	1/200	60	5.2 Ω	95.2 @1kHz – 0.1V – 25°C	1500	20 ~ 100 kHz	200 Ω / 1%
74583	1/1000	80	30 Ω	3500 @1kHz – 0.1V – 25°C	3.45 Vrms (Sine)	50 kHz	\leq 12.5 Ω / 1%
74584	1/2000	100	145 Ω	16000 @1kHz – 0.1V – 25°C	7.7 Vrms (Sine)	50 kHz	\leq 25 Ω / 1%

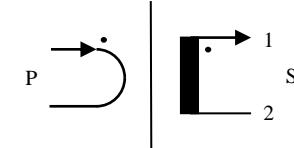
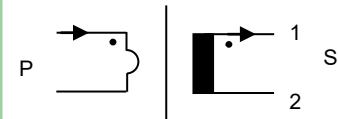
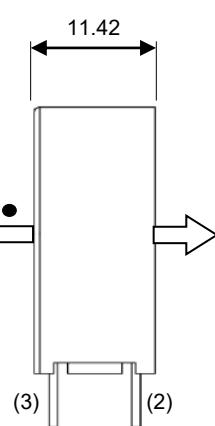
(*) Lsec : @ 1 kHz – 0.1 V – 25 °C for 74580 to 74582

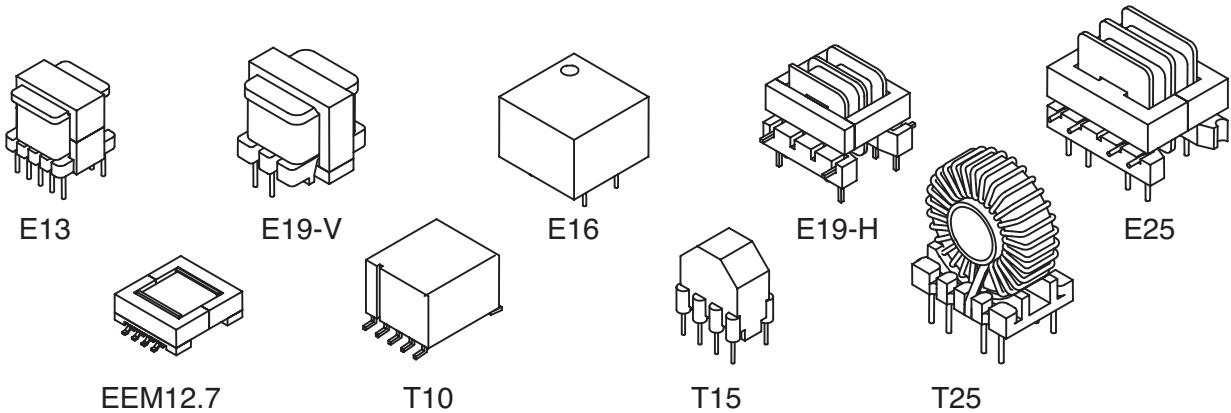
@ 50 Hz – 0.1 V – 25 °C for 74583 and 74584

E*T : Rb x (Ip / Ns) / (2 x F) with F= frequency (Hz) and Rb = Load resistance (Ω)



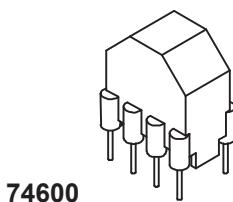
Primary current polarity



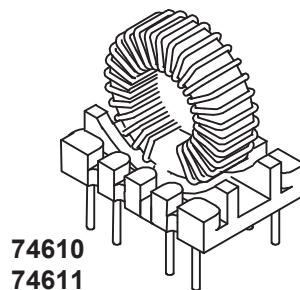


To be used for MOSFET or IGBT Drive, SCR triggering, DC/DC power conversion, Voltage isolation.

MYRRA Part N°	SIZE	Ratio	
74600	Size T15	Ratio 1 / 1 / 1	Low stray inductance
74610	Size T25	Ratio 1 / 1 / 1	Low stray inductance
74611	Size T25	Ratio 1 / 1 / 1	Low stray inductance
74620	Size E19-H	Ratio 1 / 1 / 1	Low coupling capacitance
74621	Size E19-H	Ratio 3 / 1 / 1	Low coupling capacitance
74630	Size E25	Ratio 1 / 1 / 1	Low coupling capacitance
74631	Size E25	Ratio 3 / 1 / 1	Low coupling capacitance
74640	Size E19-V	Ratio 1 / 5	For voltage step-up
74641	Size E19-V	Ratio 1 / 10	For voltage step-up
74650	Size E13	Ratio 1 / 1 / 1	Small size
74710	Size E16	Ratio 1 / 1	Low coupling capacitance
74660	Size EEM12.7	Ratio 1CT / 1.3CT	SMD
74661	Size EEM12.7	Ratio 1CT / 1CT	SMD, for DC/DC converter
74670	Size T10	Ratio 1CT / 1.3	SMD, Low stray inductance

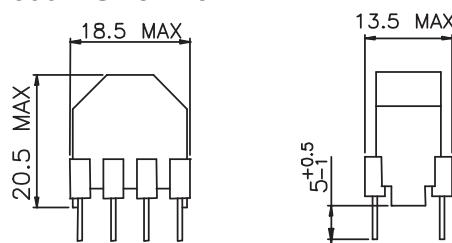


74600

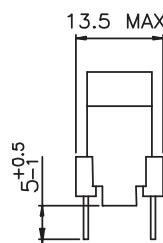
74610
74611

MYRRA Part N°	Ratio P/S1/S2	L pri. +/-30%	Current / winding Arms max	Resistance / winding Ω max	Pulse Ext V. μ s max	square V / kHz max	C P/S pF max	Leak P/S max	Insulation Voltage	
									P / S	S1/S2
74600	1/1/1	4 - 8	0.6	0.35	150 V. μ s	0.4	120 pF	1.0 μ H	4 kV	4 kV
74610	1/1/1	0.6 - 1.2	1.7	0.07	150 V. μ s	0.4	35 pF	0.6 μ H	4 kV	4 kV
74611	1/1/1	2.5 - 5	1.2	0.14	300 V. μ s	0.8	90 pF	1.2 μ H	4 kV	4 kV

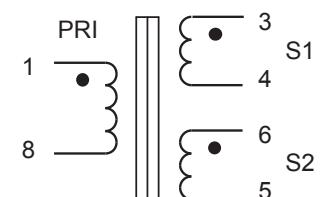
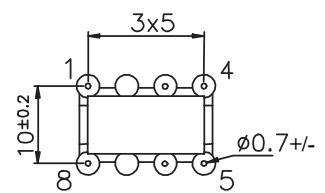
- Toroid core gives best coupling, lowest leakage inductance, fast rise time.
- Pulse (E.t rating) is given for bipolar (symmetrical) pulse. Value is reduced for unipolar pulse. **SAFETY:**
- These products are only composed of UL94-V0 approved materials.
- Insulation test voltage : 4000 Vrms
- This product has a construction conform to IEC60335-1, IEC60950-1, IEC61558-2-16 for Reinforced insulation (8 mm creepage distance)

74600 Size T15

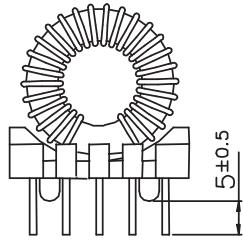
Pins 2 & 7 removed for locating



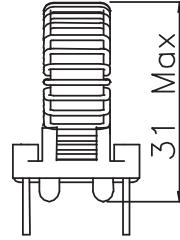
PCB drill @ Ø 1.1mm



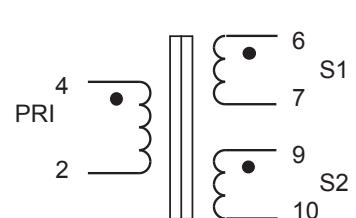
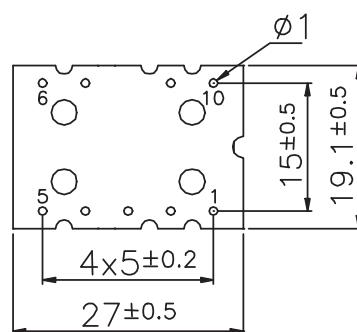
Weight ≈ 6 g

74610 - 74611 Size T25

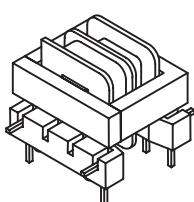
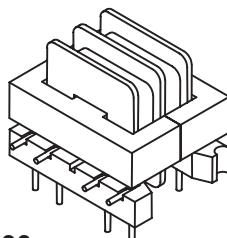
Pin 8 removed for locating



PCB drill @ Ø 1.3mm



Weight ≈ 18 g

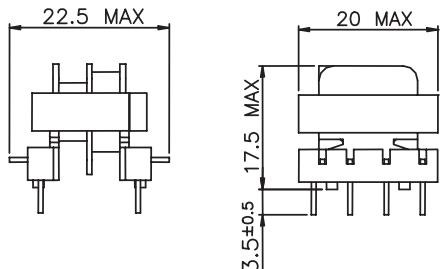
74620
7462174630
74631

MYRRA Part N°	Ratio P/S1/S2	L pri. +/-30%	Current / winding Arms max	Resistance / winding Ω max	Pulse Ext V.μs max	square V / kHz max	C P/S pF max	Ileak P/S max	Insulation Voltage	
									P/S	S1/S2
74620	1 / 1 / 1	3.2 mH	0.5	1.0	350 V.μs	0.6	5 pF	70 μH	2.5 kV	1.5 kV
74621	3 / 1 / 1	17 mH	0.3	2.0	800 V.μs	1.5	5 pF	400 μH	2.5 kV	1.5 kV
74630	1 / 1 / 1	3 mH	1	0.4	500 V.μs	0.8	7 pF	60 μH	2.5 kV	1.5 kV
74631	3 / 1 / 1	15.5 mH	0.45	0.8	1000 V.μs	1.7	7 pF	300 μH	2.5 kV	1.5 kV

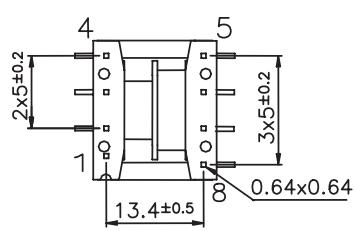
- Principally dedicated to SCR triggering
- Designed for minimum coupling capacitance

SAFETY :

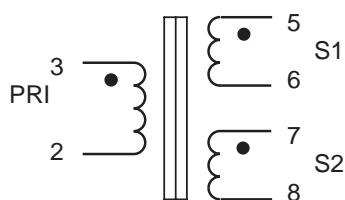
These products are only composed of UL-V0 approved materials.

74620 - 74621 Size E19-H

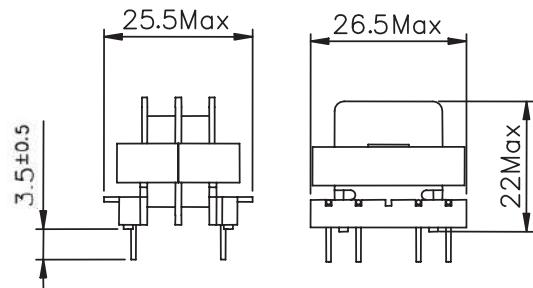
Pin 1 removed for locating



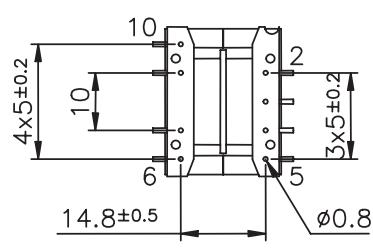
PCB drill @ Ø 1.3mm



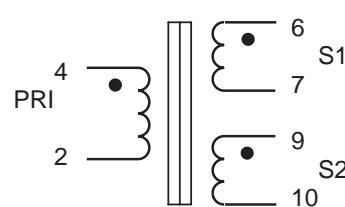
Weight ≈ 12 g

74630 – 74631 Size E25

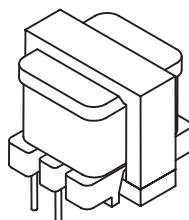
Pins 1 & 8 removed for locating



PCB drill @ Ø 1.3mm



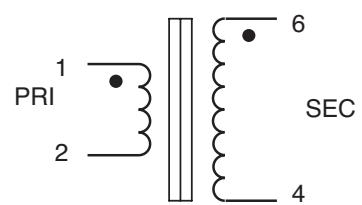
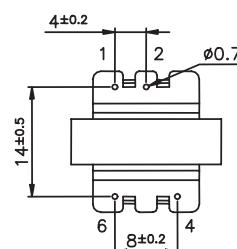
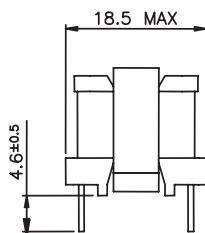
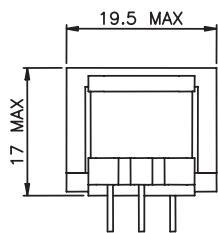
Weight ≈ 20 g



MYRRA Part N°	Ratio P/S	L pri. +/-30%	Current Arms max	Resistance Ω max	Pulse Vsec . t max	Sine Vsec. max	Insulation Voltage P/S
74640	1 / 5	11 mH	Pri : 0.5 Sec : 0.1	Pri : 1.0 Sec : 31	16 V.ms	4 Vrms / 50 Hz 50 Vrms / 5 kHz	1500
74641	1 / 10	11 mH	Pri : 0.4 Sec : 0.04	Pri : 1.8 Sec : 80 Ω	33 V.ms	8 Vrms / 50 Hz 100 Vrms / 5 kHz	1500

SAFETY :

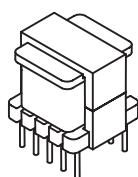
- These products are only composed of UL-V0 approved materials.

74640-74641 Size E19-V

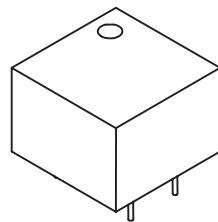
Pins 3 & 5 removed for locating

PCB drill @ Ø 1.1mm

Weight ≈ 14 g



74650



74710

MYRRA Part N°	Ratio P/S1/S2	L pri.	Current / winding Arms max	Resistance / winding Ω max	Pulse Ext V.µs max	square V / kHz max	C P/S pF max	Ileak P/S max	Insulation Voltage	
									P/S	S1/S2
74650	1 / 1 / 1	500 µH +/-30%	0.6	0.28	120 V.µs	20V / 100kHz	12 pF	2 µH	1.5 kV	1.5 kV
74710	1 / 1	2 mH +/-40%	0.6	0.6	300 V.µs	50V / 100kHz	6 pF	44 µH	4 kV	

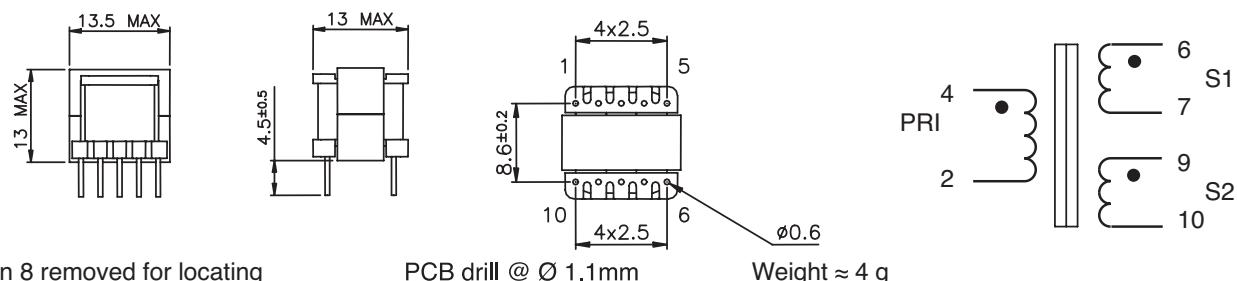
- 74650 is principally designed for Mosfet drive in SMPS (Forward or Bridge converters)
- 74710 is principally designed for SCR Triggering

SAFETY :

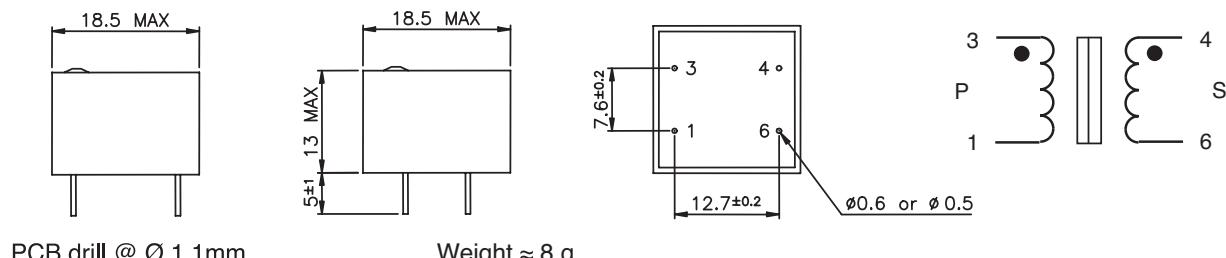
These products are only composed of UL-V0 approved materials.

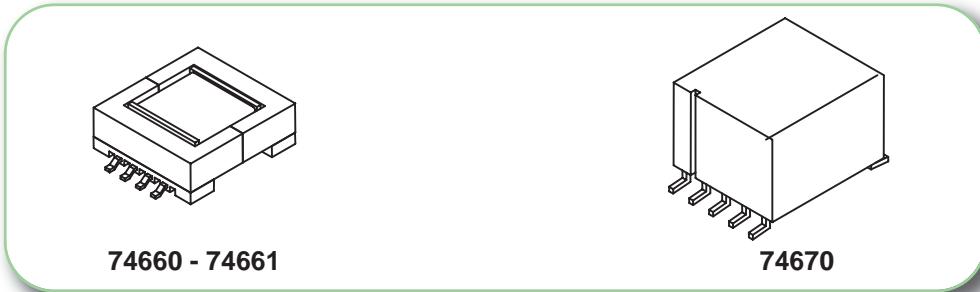
The product 74710 has a construction conform to CEI950, CEI335, CEI61558 for Reinforced insulation (8 mm creepage distance)

74650 Size E13



74710 Size E16





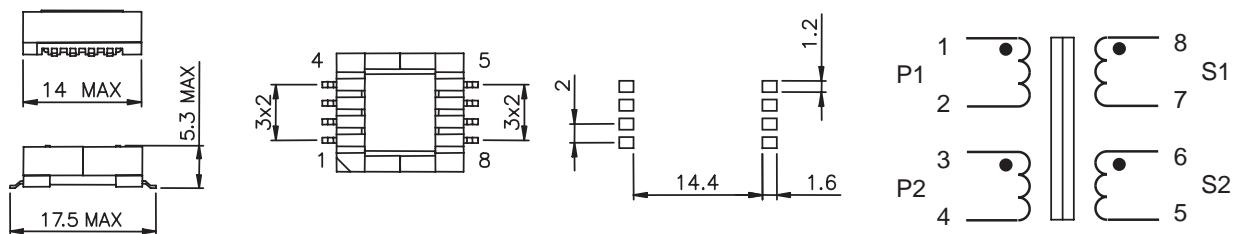
MYRRA Part N°	Ratio P/S	L pri.	Current / winding max	Resistance / winding Ω max	Pulse Ext max P1 or P2	square V / kHz max P1 or P2	C P/S pF max	Ileak P/S max	Insulation Voltage
									P/S
74660	1+1 / 1.3+1.3	240 µH +/-30%	0.2 Arms	0.9	50 V.µs	15V 100 – 500kHz	20 pF	0.35 µH	0.5 kV
74661	1+1 / 1+1	10 µH +/-10%	3 Apeak 0.5 Arms	0.2	30 V.µs	0.05 V / kHz 100 – 400kHz	20 pF	0.2 µH	0.5 kV
74670	1+1 /1.3	220 µH +/-30%	0.4 Arms	0.25	15 V.µs	0.03 V / kHz 100 – 500kHz	12 pF	0.4 µH	4 kV

- 74660 can be used in association with MAXIM MAX250 or MAX253
- 74661 can be used in association with LINEAR TECHNOLOGY LT1424
- 74660 can be used in association with MAXIM MAX845

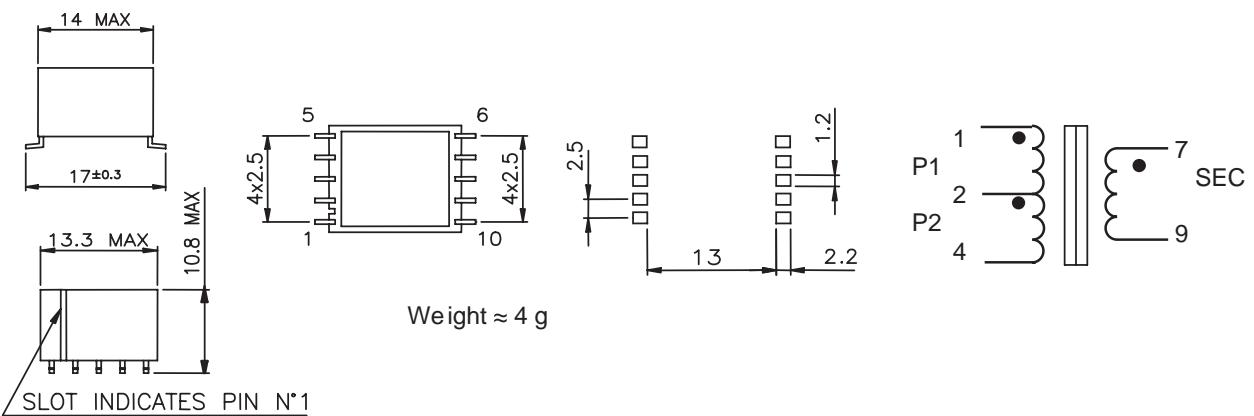
SAFETY :

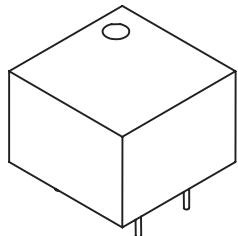
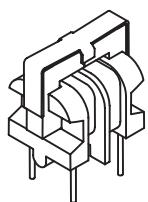
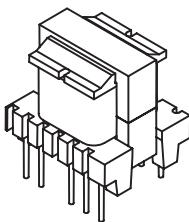
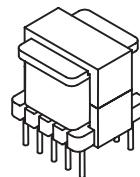
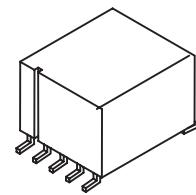
These products are only composed of UL-V0 approved materials.

74660 – 74661 Size EEM12.7



74670 Size T10



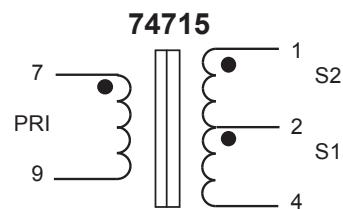
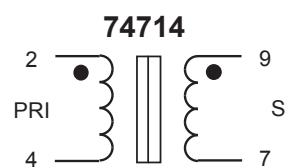
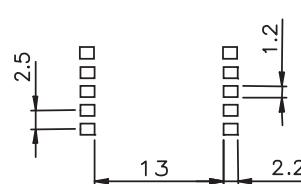
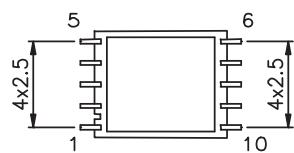
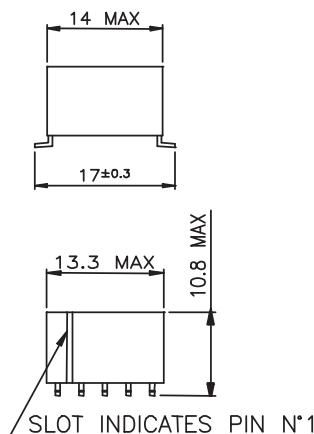
**74710 - 74716 - 74717****74711****74712****74713****74714 - 74715**

- Designed for coupling signals to power line
- Adapted for use with Modem Circuits : **ST7537**, **ST7538**, **TDA5051** or **IC/SS**

MYRRA Part N°	Inductance (μH)	Leakage Inductance (μH)	Resistance per winding P / S (max)	Frequency range	Turns ratio P / S	Max Sec. current (mA rms) (50 - 60 Hz)	Insulation (Vrms)	Size
74714	1300 +/-40 % (2 - 4)	< 0.5	0.2 Ω / 0.2 Ω	10 - 200kHz	1 / 1	400	5500	T10-SMD
74715	3.0 +/-25 % (7 - 9)	< 0.1	0.06 Ω / 0.1 Ω	1 - 20 MHz	2 / 1+1	200	4000	T10-SMD

74714 - 74715

Reinforced insulation, creepage distance > 8 mm

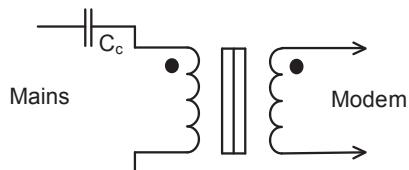




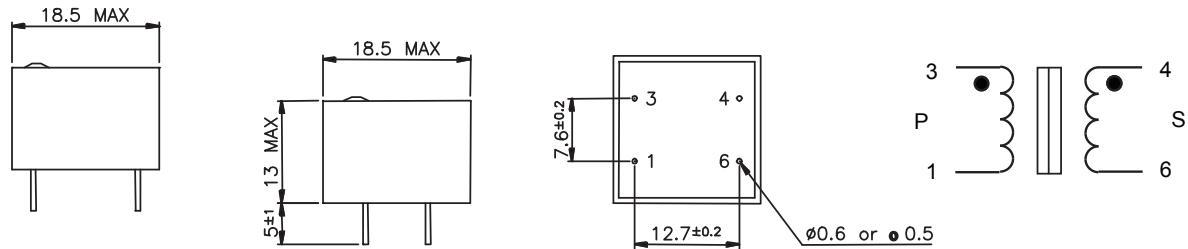
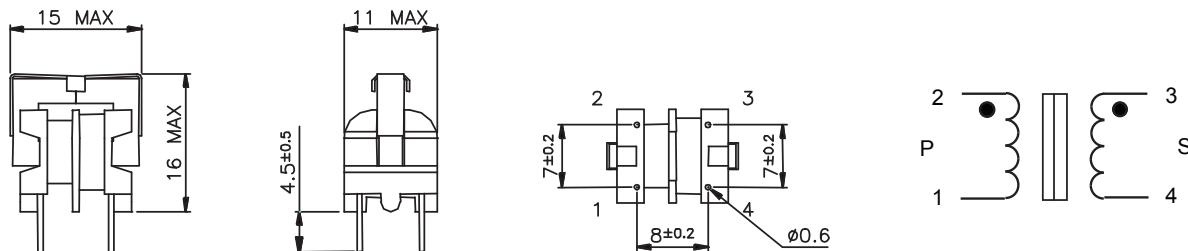
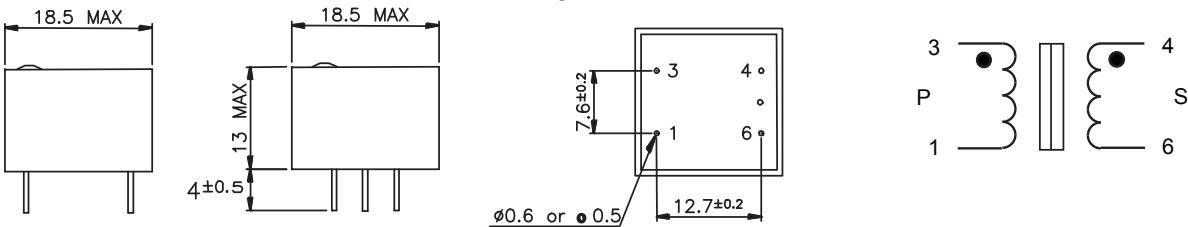
MYRRA P/N	Inductance (μH)	Leakage Inductance (μH)	Resistance per winding P / S (max)	Frequency range	Turns ratio P / S	Max Sec. current (mA rms) (50 - 60 Hz)	Insulation (Vrms)	Size
74710	2000 +/-40 % (1 - 3)	80 +/-7%	0.6 Ω / 0.6 Ω	10 – 450kHz	1 / 1	10	4000	EF16-H-4P
74711	2900 +/-40% (1 - 2)	44 +/-7%	1 Ω / 1 Ω	10 – 200kHz	1 / 1	4	1500	U9.8-4P
74716	45000 +/- 40 % (3 - 1)	1500 +/-10 %	12 Ω / 14 Ω	10 - 200kHz	1/1.15	4	4000	EF 16 H - 5P
74717	400 +/- 40 % (3 - 1)	14.4 +/- 10 %	0.3 Ω / 0.5 Ω	20 - 450kHz	1/1.67	40	4000	EF 16 H - 5P

• 74710 - 74711 - 74716 – 74717
Typical application :

Designed for resonance of series coupling capacitor and the transformer leakage inductance.



MYRRA P/N	Series Resonance Frequency (kHz)	Mains Coupling capacitance (nF)
74710	132.5	22
74711	132.5	33
74716	50	6.8
74717	40 - 90	470

74710 Reinforced insulation, creepage distance > 8 mm

74711 Functional insulation

74716 - 74717 Reinforced insulation, creepage distance > 8 mm


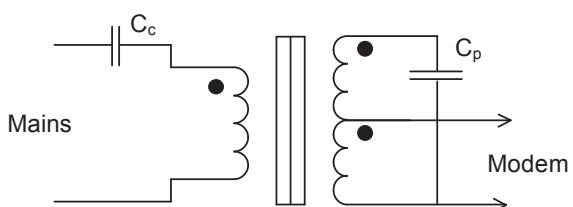


MYRRA Part N°	Inductance (µH)	Leakage Inductance (µH)	Resistance per winding P / S (max)	Frequency range	Turns ratio P / S	Max Sec. current (mA rms) (50 - 60 Hz)	Insulation (Vrms)	Size
74712	212 +/-10 % (2-5)	< 5 (2-5)	0.8 Ω / 0.04 Ω	10kHz – 1MHz	5+1 / 1	500	4000	E16-V-10P
74713	144 +/-10 % (2-5)	< 5	0.5 Ω / 0.5 Ω	10 – 450kHz	5+1 / 5+1	200	1500	E13-V-10P

• 74712 - 74713

Typical application :

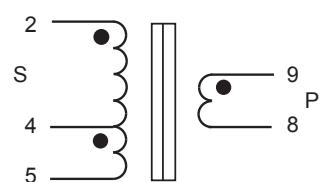
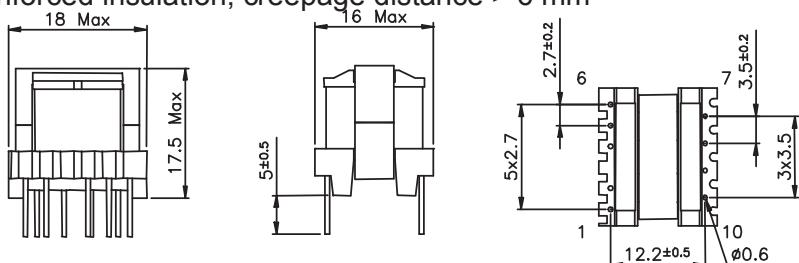
Designed for resonance of parallel capacitor with the primary magnetizing inductance.



MYRRA Part N°	Parallel Resonance Frequency (kHz)	Mains Coupling capacitor(nF)	Parallel capacitor (nF)
74712	132.5	33	6.8
74713	132.5	33	10

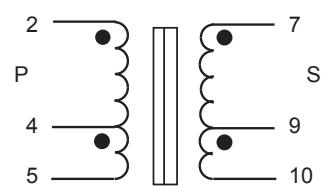
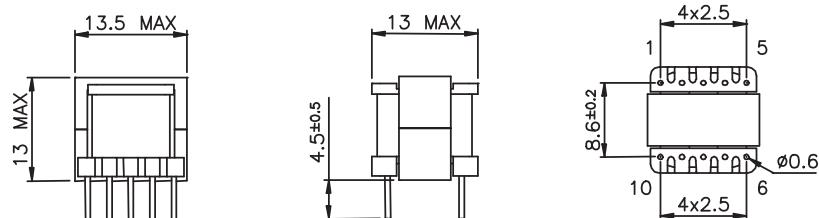
74712

Reinforced insulation, creepage distance > 6 mm



74713

Functional insulation





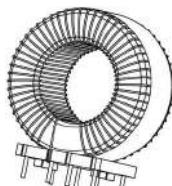
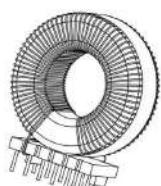
Size 74820 T40	74821 T43	74822 T48	74823 T47	74824 T60	74825 T70	74826 T79
Size 74830 PQ26/20	74831 PQ26/25	74832 PQ32/30	74833 PQ35/35	74834 PQ40	74835-836 PQ50	

TOROIDAL – THROUGH HOLES

MYRRA Part N°	SIZE	Output Range
74820	Size T40	100W – 200W
74821	Size T43	150W – 310W
74822	Size T48	220W – 460W
74823	Size T47	330W – 600W
74824	Size T60	680W – 900W
74825	Size T70	680W – 1500W
74826	Size T79	1000W – 2000W

LINEAR – THROUGH HOLES

MYRRA Part N°	SIZE	Output Range
74830	Size PQ26/20	100W – 200W
74831	Size PQ26/25	150W – 310W
74832	Size PQ32/30	220W – 460W
74833	Size PQ35/35	330W – 600W
74834	Size PQ40	680W – 900W
74835	Size PQ50	680W – 1500W
74836	Size PQ50	1000W – 2000W

NEW74820
Size **T40**74821
T43

- Operating temperature: -40°C / +120°C (incl. temperature rise)
- Exclusively uses UL94-V0 listed materials

Typical use	Outputs (min/max)	Input Voltage
74820	100 W 200W	120 VAC 230 VAC
74821	150 W 310 W	120 VAC 230 VAC

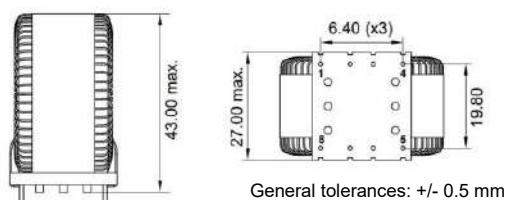
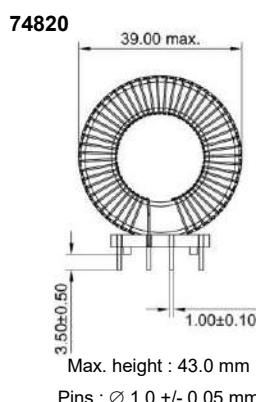
MYRRA Part N°	Max Output power	Inductance L0 +/- 10%	Inductance @Ipk	Current	Saturation Current	Resistance	Frequency Resistance
Windings		L	L	L	L	L	L
74820	200 W	2.6 mH	2.12 mH	1.1 Arms max.	3 Apk max.	1.9 Ω max.	650 kHz min.
74821	310 W	1.74 mH	1.38 mH	1.7 Arms max.	4 Apk max.	0.92 Ω max.	820 kHz min.

Rated currents (Arms) will give temperature rising of 40K and for 100 kHz ripple Ipk

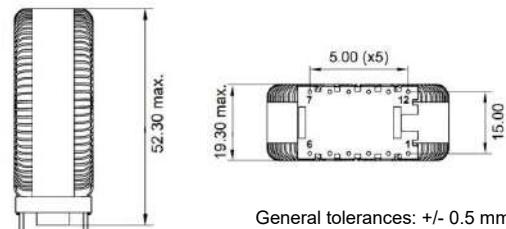
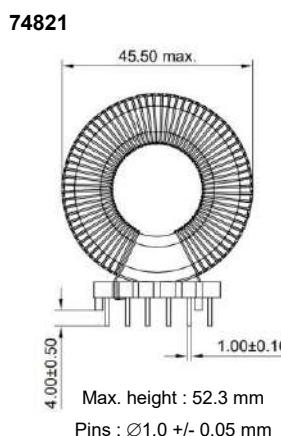
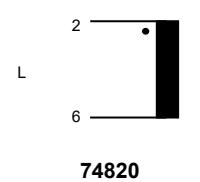
Hi-pot : L/Core – 1500 Vrms @50Hz

Saturation currents (Apk) are stated for a maximum inductance drop of 35% from L0

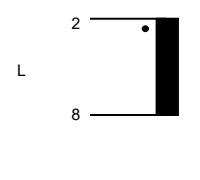
E.t product : 1000 V.μs max. (Windings L)



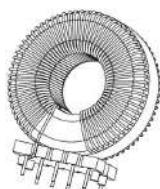
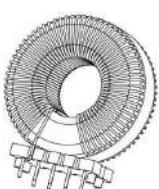
Pins row and pitch tolerances: +/- 0.5 mm
Pins length: 4.0 +/- 0.5 mm



Pins row and pitch tolerances: +/- 0.5 mm
Pins length: 4.0 +/- 0.5 mm



NEW

74822
Size T4874823
T47

- Operating temperature: -40°C / +120°C (incl. temperature rise)
- Exclusively uses UL94-V0 listed materials

Typical use	Outputs (min/max)	Input Voltage
74822	220 W 460W	120 VAC 230 VAC
74823	330 W 600 W	120 VAC 230 VAC

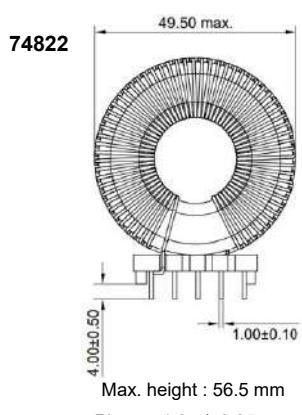
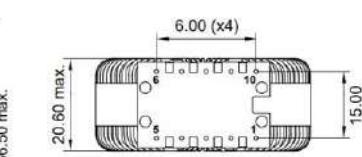
MYRRA Part N°	Max Output power	Inductance L0 +/- 10%	Inductance @Ipk	Current	Saturation Current	Resistance	Frequency Resistance
Windings		L	L	L	L	L	L
74822	460 W	1.26 mH	967 µH	2.55 Arms max.	5.4 Apk max.	485 mΩ max.	820 kHz min.
74823	600 W	930 µH	696 µH	3.3 Arms max.	6 Apk max.	230 mΩ max.	900 kHz min.

Rated currents (Arms) will give temperature rising of 40K and for 100 kHz ripple Ipk

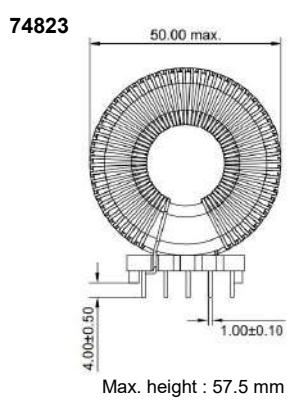
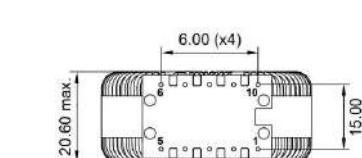
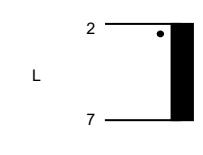
Hi-pot : L/Core – 1500 Vrms @50Hz

Saturation currents (Apk) are stated for a maximum inductance drop of 35% from L0

E.t product : 1000 V.µs max. (Windings L)

Max. height : 56.5 mm
Pins : Ø1.0 +/- 0.05 mmGeneral tolerances: +/- 0.5 mm
Pin missing : ---

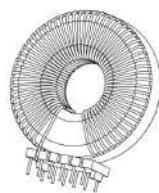
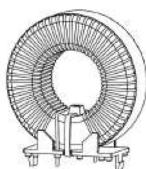
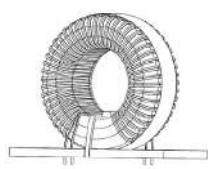
74822

Max. height : 57.5 mm
Pins : Ø1.0 +/- 0.05 mmGeneral tolerances: +/- 0.5 mm
Pin missing : ---

74823



NEW

74824
T6074825
T7074826
T79

- Operating temperature: -40°C / +120°C (incl. temperature rise)
- Exclusively uses UL94-V0 listed materials

Typical use	Outputs (min/max)		Input Voltage
74824	680 W	900 W	120 VAC
74825	1500 W		230 VAC
74826	1000 W	2000 W	120 VAC 230 VAC

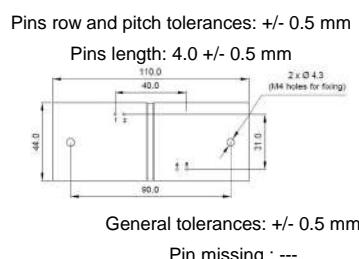
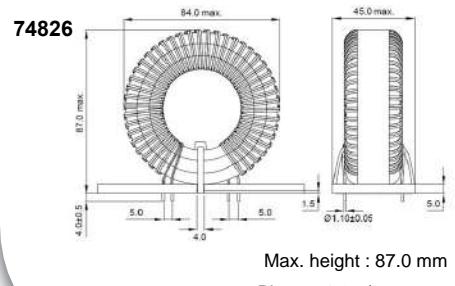
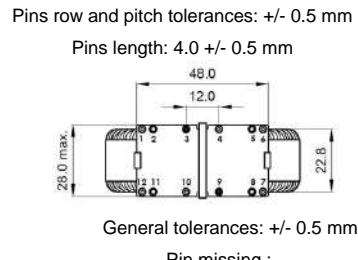
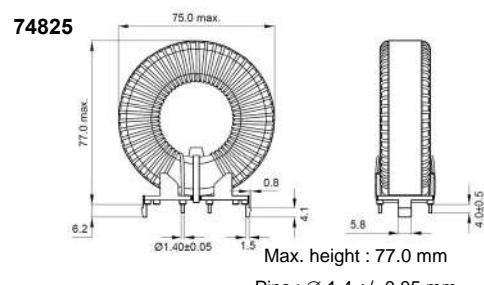
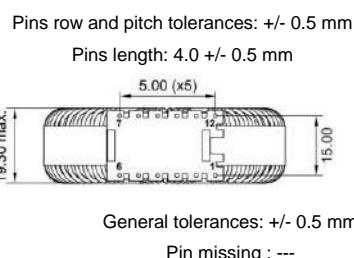
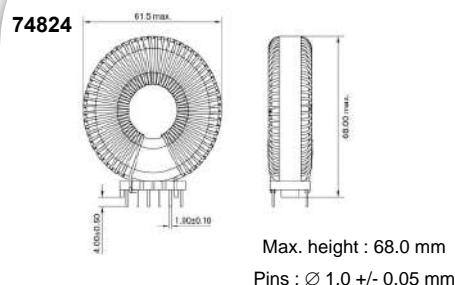
MYRRA Part N°	Max Output power	Inductance L0 +/- 10%	Inductance @ Ipk	Current	Saturation Current	Resistance	Frequency Resistance
Windings	L	L	L	L	L	L	L
74824	900 W	590 µH	415 µH	5 Arms max.	10 Apk max.	1.2 Ω max.	1.5 MHz min.
74825	1500 W	416 µH	300 µH	8.3 Arms max.	15.5 Apk max.	54 mΩ max.	1.5 MHz min.
74826	2000 W	300 µH	222 µH	11 Arms max.	21.5 Apk max.	44 mΩ max.	2.0 MHz min.

Rated currents (Arms) will give temperature rising of 40K and for 100 kHz ripple = Ipk

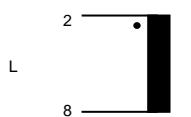
Hi-pot : L/Core – 1500 Vrms @50Hz

Saturation currents (Apk) are stated for a maximum inductance drop of 20

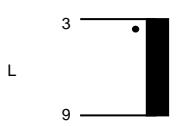
E.t product : 1000 V.µs max. (Windings L)



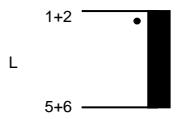
74824



74825



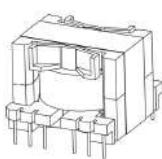
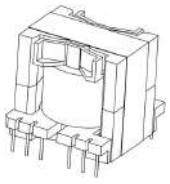
74826



HIGH FREQUENCY FERRITE
ACTIVE PFC - TOROIDAL



NEW

74830
PQ26/2074831
PQ26/25

Size

- Operating temperature: -40°C / +120°C (incl. temperature rise)
- Exclusively uses UL94-V0 listed materials

Typical use	Outputs	Input Voltage
74830	100 W 200 W	120 VAC 230 VAC
74831	150 W 310 W	120 VAC 230 VAC

MYRRA Part N°	Max Output power	Inductance L0 +/- 10%	Current	Saturation Current	Turns Ratio	Resistance
Windings		L	L	L	L : Aux	L : Aux
74830	200 W	2.1 mH	1.1 Arms max.	2.4 Apk max.	10.2 : 1	L : 760 Ω max. Aux. : 250 Ω / max.
74831	310 W	1.36 mH	1.7 Arms max.	3.6 Apk max.	11.2 : 1	L : 750 Ω max. Aux. : 380 Ω / max.

Rated currents (Arms) will give temperature rising of 40K and for 100 kHz ripple Ipk

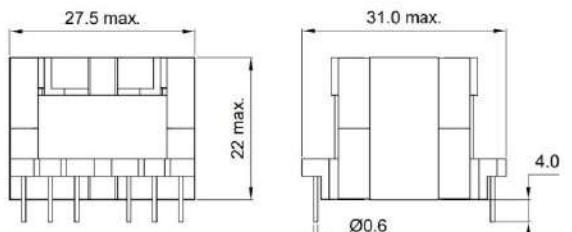
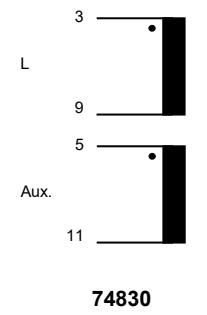
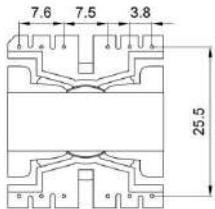
Polarity: 74830: 3 and 5 In phase
74831: 2 + 3 and 5 In phase

Saturation currents (Apk) are stated for a maximum inductance drop of 20

E.t product : 1000 V.μs max. (Windings L)

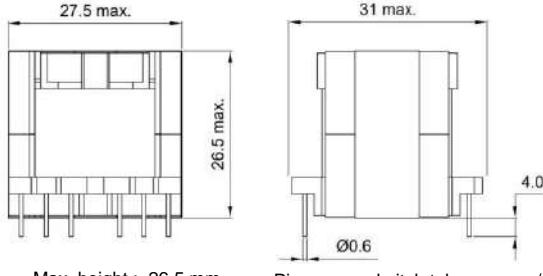
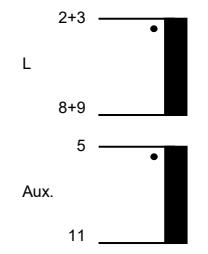
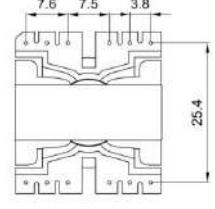
Hi-pot : L/Aux – 1500 Vrms @50Hz
L/Aux + Core – 1500 Vrms @50Hz

74830

Max. height : 22.0 mm
Pins : Ø +/- 0.05 mmGeneral tolerances: +/- 0.5 mm
Pin missing : ---

74830

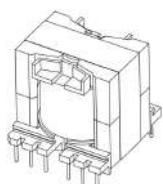
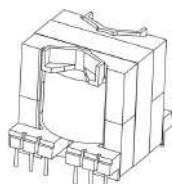
74831

Max. height : 26.5 mm
Pins : Ø +/- 0.05 mmGeneral tolerances: +/- 0.5 mm
Pin missing : ---

74831



NEW

74832
PQ32/3074833
PQ35/35

Size

- Operating temperature: -40°C / +120°C (incl. temperature rise)
- Exclusively uses UL94-V0 listed materials

Typical use	Outputs	Input Voltage
74832	220 W 460 W	120 VAC 230 VAC
74833	330 W 600 W	120 VAC 230 VAC

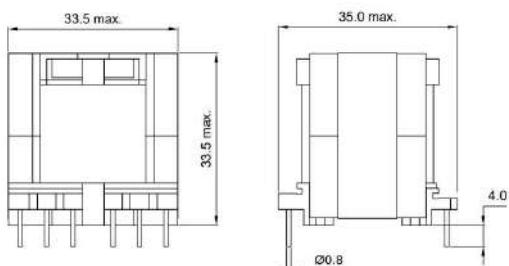
MYRRA Part N°	Max Output power	Inductance L0 +/- 10%	Current	Saturation Current	Turns Ratio	Resistance
Windings		L	L	L	L : Aux	L : Aux
74832	460 W	940 µH	2.55 Arms max.	5.2 Apk max.	10.6 : 1	L : 290 Ω max. Aux. : 110 Ω / max.
74833	600 W	650 µH	3.7 Arms max.	7.5 Apk max.	10.7 : 1	L : 140 Ω max. Aux. : 110 Ω / max.

Rated currents (Arms) will give temperature rising of 40K and for 100 kHz ripple Ipk

Polarity: 2 + 3 and 5 In phase

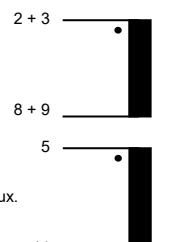
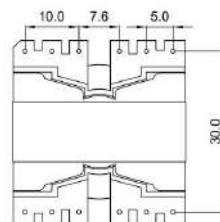
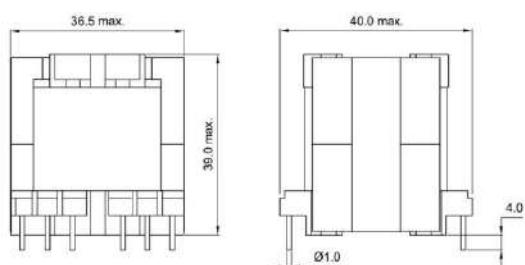
Saturation currents (Apk) are stated for a maximum inductance drop of 20

E.t product : 1000 V.µs max. (Windings L)

Hi-pot : L/Aux – 1500 Vrms @50Hz
L/Aux + Core – 1500 Vrms @50Hz**74832**Max. height : 33.5 mm
Pins : Ø 0.8 +/- 0.05 mmPins row and pitch tolerances: +/- 0.5 mm
Pins length: 4.0 +/- 0.5 mm

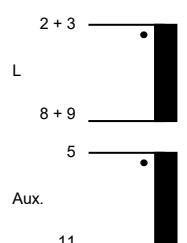
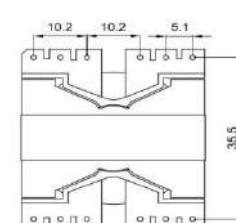
General tolerances: +/- 0.5 mm

Pin missing : ---

**74832****74833**Max. height : 39.0 mm
Pins : Ø +/- 0.05 mmPins row and pitch tolerances: +/- 0.5 mm
Pins length: 4.0 +/- 0.5 mm

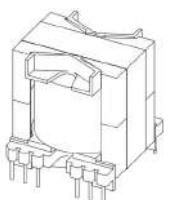
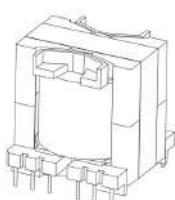
General tolerances: +/- 0.5 mm

Pin missing : ---

**74833**HIGH FREQUENCY FERRITE
ACTIVE PFC - LINEAR



NEW

74834
PQ4074835-36
PQ50

Size

- Operating temperature: -40°C / +120°C (incl. temperature rise)
- Exclusively uses UL94-V0 listed materials

Typical use	Outputs (min/max)		Input Voltage
74834	680 W	900 W	120 VAC
74835	1500 W		230 VAC
74836	1000 W	2000 W	120 VAC 230 VAC

MYRRA Part N°	Max Output power	Inductance L0 +/- 10%	Current	Saturation Current	Turns Ratio	Resistance
Windings	L	L	L	L : Aux	L : Aux	
74834	900 W	420 µH	5 Arms max.	10 Apk max.	9.3 : 1	L : 90 Ω max. Aux. : 120 Ω / max.
74835	1500 W	300 µH	8.3 Arms max.	15 Apk max.	9.2 : 1	L : 60 Ω max. Aux. : 90 Ω / max.
74836	2000 W	220 µH	11 Arms max.	24 Apk max.	9.4 : 1	L : 35 Ω max. Aux. : 120 Ω / max.

Rated currents (Arms) will give temperature rising of 40K and for 100 kHz ripple Ipk

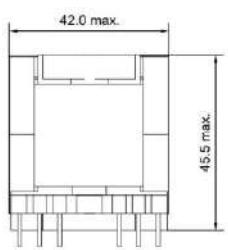
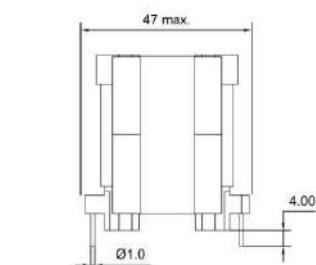
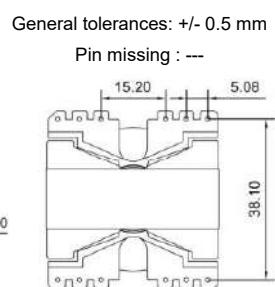
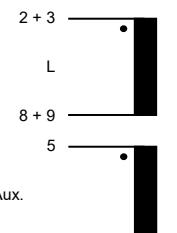
Polarity: 2 + 3 and 5 In phase

Saturation currents (Apk) are stated for a maximum inductance drop of 20

Hi-pot : L/Aux – 1500 Vrms @50Hz
L/Aux + Core – 1500 Vrms @50Hz

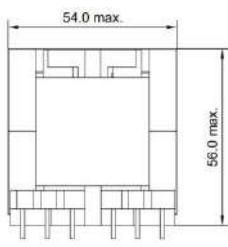
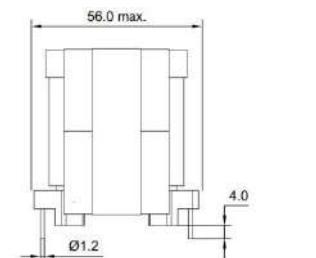
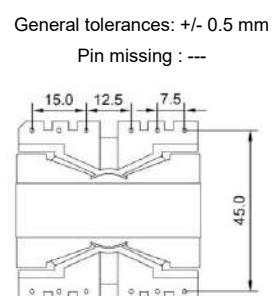
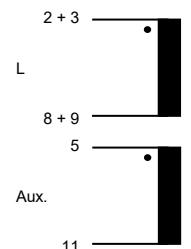
E.t product : 1000 V.µs max. (Windings L)

74834

Max. height : 54.5 mm
Pins : Ø 1.0 +/- 0.05 mmPins row and pitch tolerances: +/- 0.5 mm
Pins length: 4.0 +/- 0.5 mmGeneral tolerances: +/- 0.5 mm
Pin missing : ---

74834

74835-36

Max. height : 56.0 mm
Pins : Ø1.20 +/- 0.05 mmPins row and pitch tolerances: +/- 0.5 mm
Pins length: 4.0 +/- 0.5 mmGeneral tolerances: +/- 0.5 mm
Pin missing : ---

74835-36



THROUGH HOLES CHOKES

	Available sizes	Values	Applications
DC SERIES	Drum Cores		
	(Ø x H) mm : 04x06 - 05x07 06 x07 - 07x08 - 07x10 08x0 9 - 09x12 - 10x13 - 11x12 -11x14 - 11x18 - 13x15	1 µH to 150 mH - 9.3 to 0.03 ADC	DC-DC converters ADSL-computers
RC SERIES	Rod Chokes		
	(ØxL) : 02x06 - 03x1 0 04x15 - 05x20 - 06x30	1 to 56 µH - 0.56 to 1.57 ADC	Power supply - Power amplifier
CMT SERIES	Common Mode Toroids		
	on request	on request	Power supply EMI suppression Wideband chokes

SURFACE MOUNT CHOKES

	Available sizes	Values	Applications
PI SERIES	Power inductors		
	32 - 42 - 43 - 53 - 54 - 73 75 - 104 - 1 05	1 to 820 µH 0,24 to 6.8 A	DC-DC converters DC-AC inverters Switching power supplies
SPI SERIES	Shielded Power inductors		
	7 3 - 74 - 124 -125 - 127	1.2 to 1000 µH 10.6 to 0.18 Arms	DC-DC converters DC-AC inverters Chargers



POWER PRODUCTS TECHNOLOGIES

One of Myrra core competence is to provide customers with a high level of production technology combining know-how and experience over 40 years.

**High-frequency transformers and chokes up to 100KW
Lamination 50Hz transformers and chokes up to 20KVA**

- **Core :** Laminated steel for 50Hz
Amorphous Core
Nanocristalin Cores
Powder Core / Sendust / Megaflux / High Flux
Ferrites Core

■ Winding mono or multi-spindle

Copper or Aluminum

- Round emailed wire / Litz Wire / TIW
- Flat wire (rectangular)
- Foil : up to 400 mm width up to 10 layers simultaneously

■ Automatic or Manual soldering machine (standard and ultrasonic)

■ Automatic welding machine up to EI180

■ Varnish Automatic under vacuum, until 1m³ volume

■ Potting under vacuum / UL94V0 / EN45545

■ Automatic test system No Load Test / Full Load Test / Computer controlled

■ Traceability

- Parts : Serial Numbers / Barcode
- Materials : Manufacturer Program / C.O.C.

■ Insulation systems : B, F, H classes
UL , IEC , CSA compliant

POWER PRODUCTS CONTROL WORKING STATION

**A high level of control at all stages of production
100% of parts are tested**

Labview software implementation on control station

- With automatic multiplexer MUX

All our test equipments are under calibration :

- Precision multimeters
- Micro-ohmmeters
- Oscilloscopes and Functions Generators
- Impulse Winding Tester 5kV
- Surge Test 12 kV
- HiPot Tester 12 kV
- RLC Impedance Meters, & 75 A DC Bias
- Power HiTester
- Pulse Generator / Saturation Tester

All products are controlled at 100 % during process (1 to 3 times)

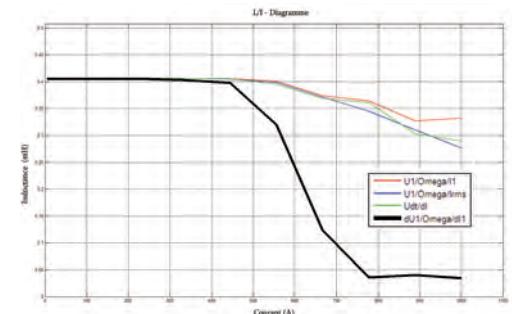
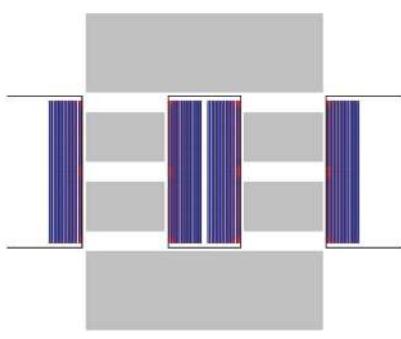
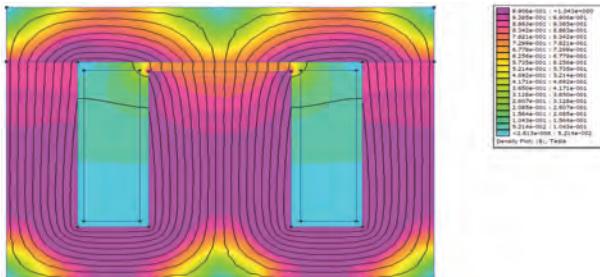
and once again at 100% before packaging (final control).



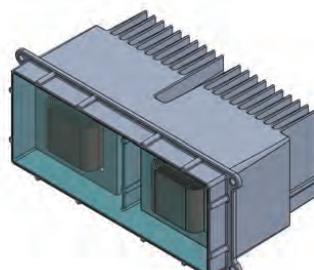
POWER PRODUCTS TESTS and SIMULATION

Myrra has the best software to make electrical, mechanical and thermal simulations from the conception products. This allows us to be at the forefront of technology.

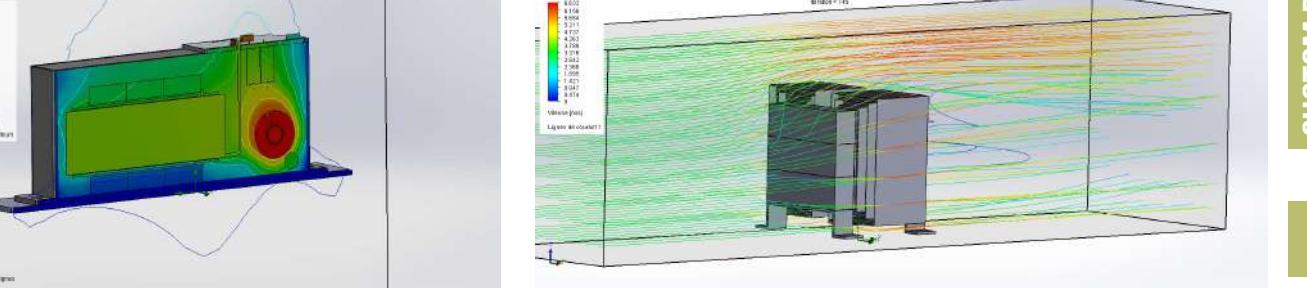
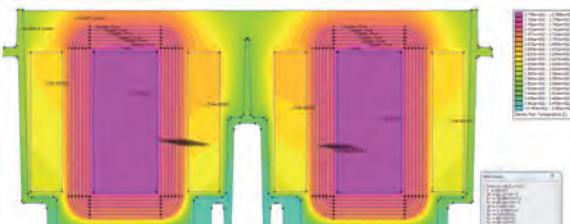
■ Electrical Simulation



■ Mechanical Simulation



■ Thermal Simulation





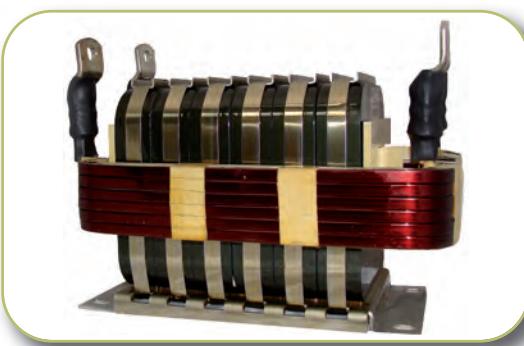
POWER PRODUCTS APPLICATIONS

Myrra is able to demonstrate a great adaptability to the needs and the requirements of the customers with a very high level of competence internationally recognized.

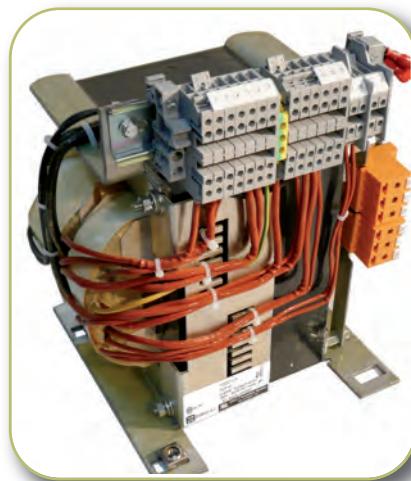
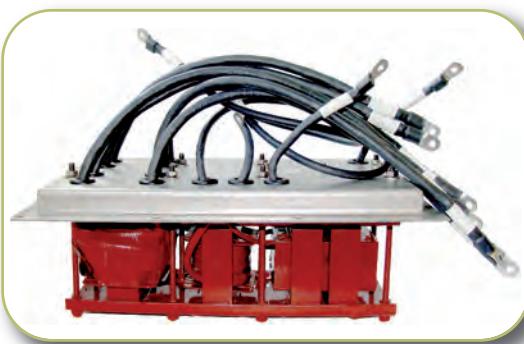
■ ENERGY CONVERSION



■ SOLAR



■ MACHINERY



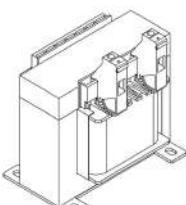
DC CHOKES



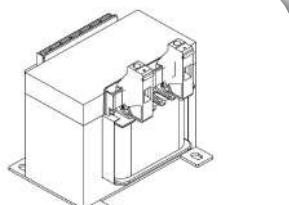
Laminated core



NEW



83321

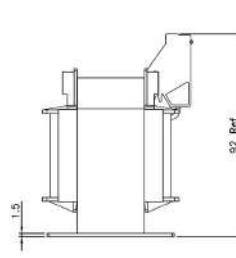
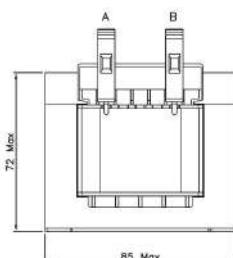
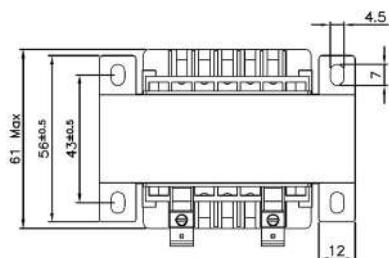


83326

- Operating temperature: -25°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	Current	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	Saturation Current
Windings		L	L	L / Ground	L
83321	8 Arms 50/60 Hz	9.4 mH	215 mΩ	4.0 kV	11.5 Apk
83326	11 Arms 50/60 Hz	6.2 mH	120 mΩ	4.0 kV	16 Apk
Conditions		10 kHz 0.1 V	DC -25°C	50 Hz 1 minute	ΔL/L = -10%

83321



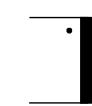
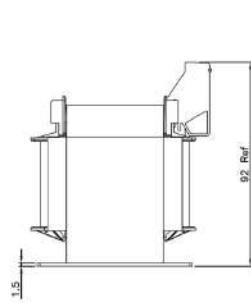
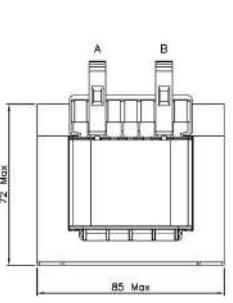
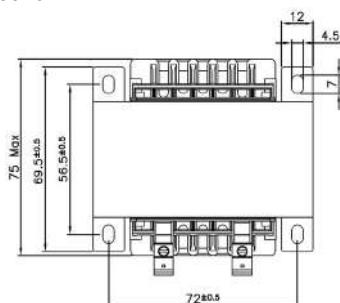
Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

Terminals : Block

Weight : 1.4 kg

83326



Tolerances : Overall dimensions : +/- 10 mm

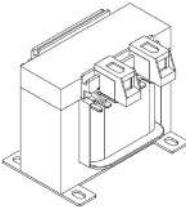
Terminals : +/- 5 mm

Terminals : Block

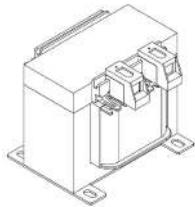
Weight : 2 kg

DC CHOKE
LAMINATED CORE

DC CHOKES



83331



83336

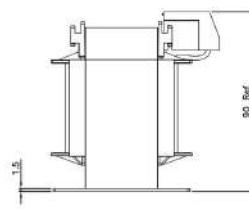
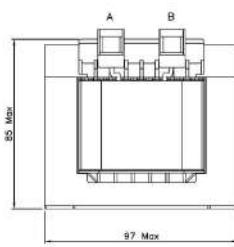
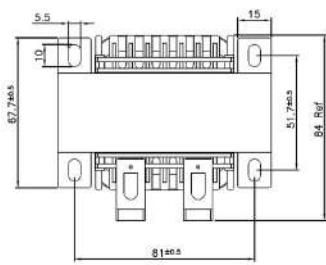
Laminated core

NEW

- Operating temperature: -25°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	Current	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	Saturation Current
Windings		L	L	L / Ground	L
83331	15 Arms 50/60 Hz	4.8 mH	85 mΩ	4.0 kV	21 Apk
83336	20 Arms 50/60 Hz	3.3 mH	50 mΩ	4.0 kV	30 Apk
Conditions		10 kHz 0.1 V	DC -25°C	50 Hz 1 minute	ΔL/L = -10%

83331



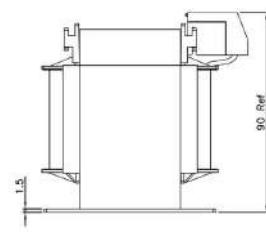
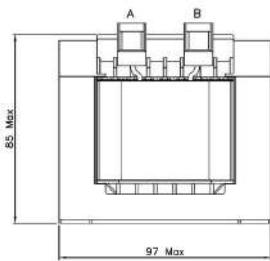
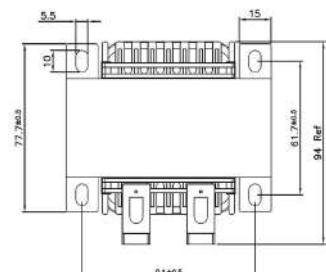
L



Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm

Terminals : Block
Weight : 2.9 kg

83336



L



Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm

Terminals : Block
Weight : 2.4 kg

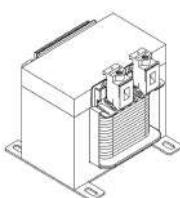
DC CHOKES



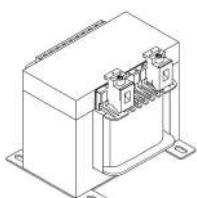
Laminated core



NEW



83341

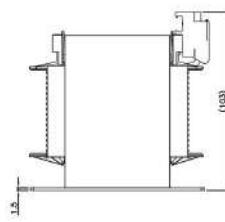
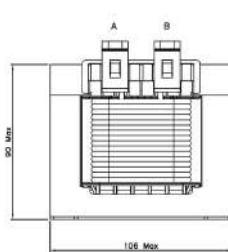
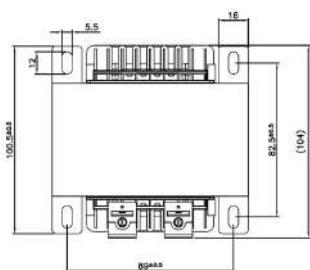


83346

- Operating temperature: -25°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	Current	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	Saturation Current
Windings		L	L	L / Ground	L
83441	28 Arms 50/60 Hz	2.4 mH	21 mΩ	4.0 kV	40 Apk
83346	34 Arms 50/60 Hz	2.0 mH	20 mΩ	4.0 kV	60 Apk
Conditions		10 kHz 0.1 V	DC -25°C	50 Hz 1 minute	ΔL/L = -10%

83341



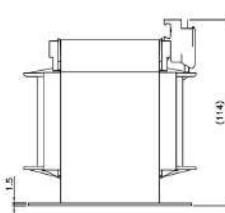
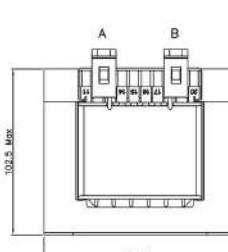
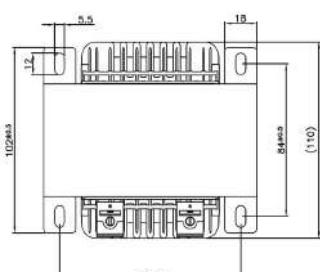
Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

Terminals : Block

Weight : 4.27 kg

83346



Tolerances : Overall dimensions : +/- 10 mm

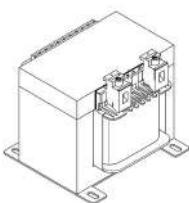
Terminals : +/- 5 mm

Terminals : Block

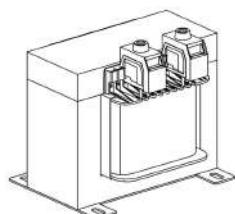
Weight : ~6 kg

DC CHOKE
LAMINATED CORE

DC CHOKES



83351



83356

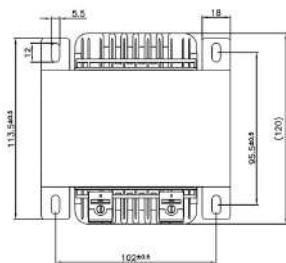
Laminated core

NEW

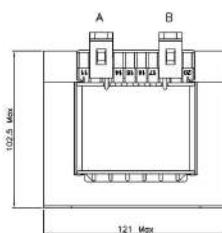
- Operating temperature: -25°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	Current	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	Saturation Current
Windings		L	L	L / Ground	L
883351	40 Arms 50/60 Hz	1.6 mH	- mΩ	4.0 kV	90 Apk
83356	55 Arms 50/60 Hz	1.2 mH	- mΩ	4.0 kV	110 Apk
Conditions		10 kHz 0.1 V	DC -25°C	50 Hz 1 minute	ΔL/L = -10%

83351



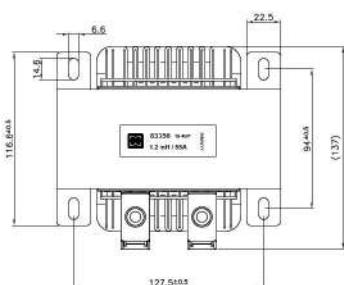
Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm



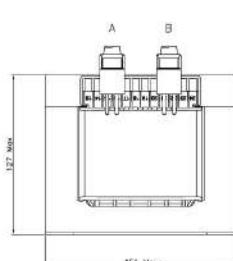
Terminals : Block
Weight : ~ 6.3 kg



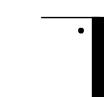
83356



Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm



Terminals : Block
Weight : ~ 9.5 kg



DC CHOKES

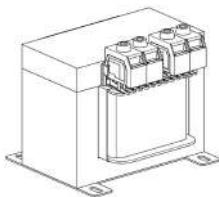


Laminated core

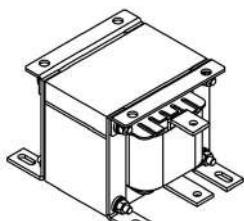


NEW

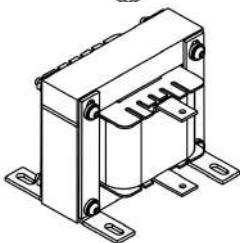
83361



83366

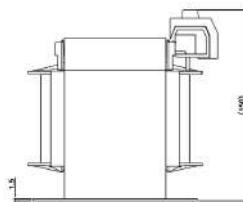
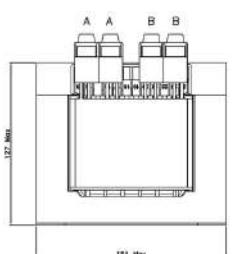
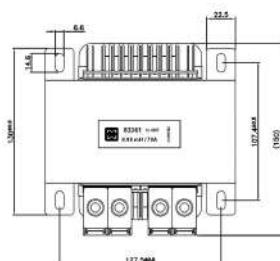


83371



MYRRA Part N°	Current	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	Saturation Current
Windings		L	L	L / Ground	L
83361	70 Arms 50/60 Hz	0.98 mH	6 mΩ	4.0 kV	140 Apk
83366	85 Arms 50/60 Hz	0.81 mH	- mΩ	4.0 kV	150 Apk
83371	100 Arms 50/60 Hz	0.67 mH	4 mΩ	4.0 kV	170 Apk
Conditions		10 kHz 0.1 V	DC -25°C	50 Hz 1 minute	ΔL/L = -10%

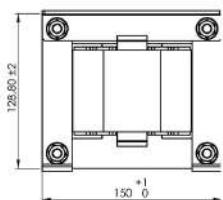
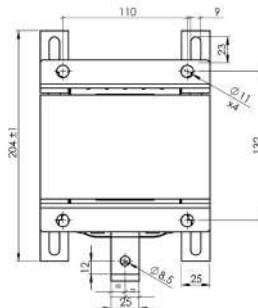
83361



Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

83366



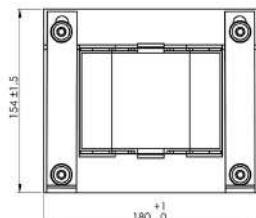
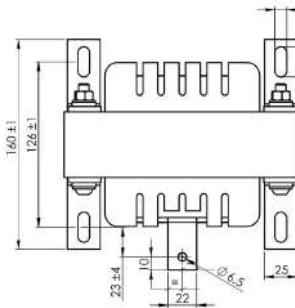
Terminals : Block

Weight : ~ 11 kg

Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

83371



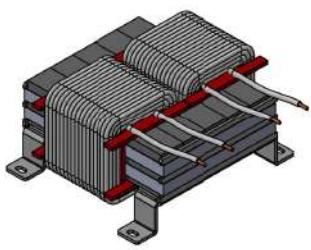
Terminals : Copper Bars

Weight : - kg

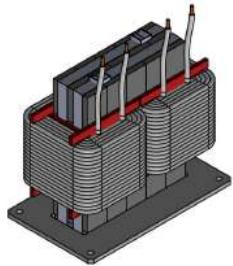
Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

POWER CHOKE



83537



83538

Powder choke - Litz Wire Winding

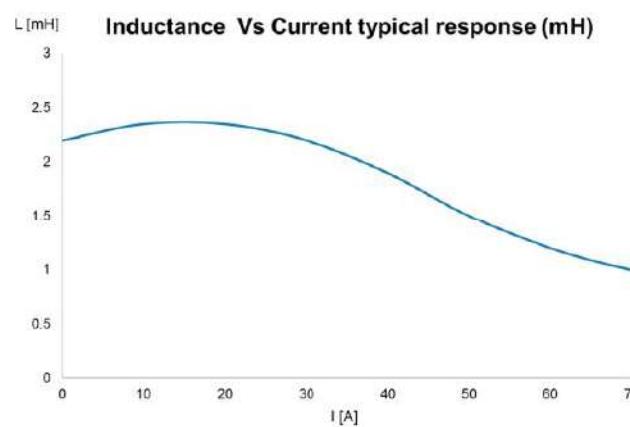


NEW

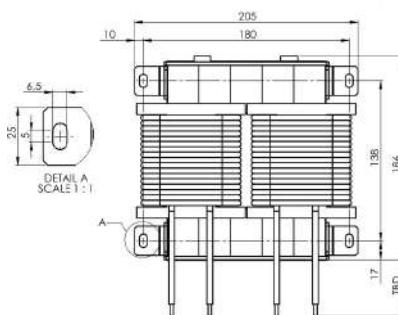
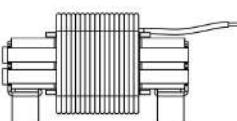
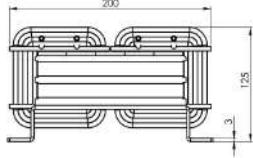
- Operating temperature: -40°C / +140°C (incl. temperature rise)
 - Exclusively uses Class H & UL94-V0 listed materials
 - Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	V.t product	Current
83357	10 000 V. μ s	25 Arms or 25 ADC and
83358	max.	5 APP (5 ~ 20 kHz)

MYRRA Part N°	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	L vs I response
Windings	L	L	L / Ground	L
83357 83358	2.0 mH	32.5 mΩ	4.0 kV	See graph



83357



1

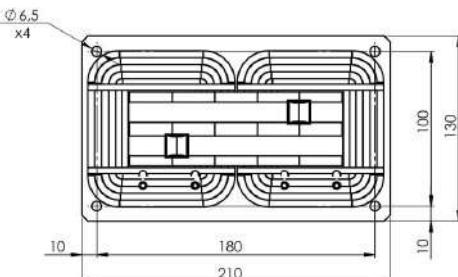
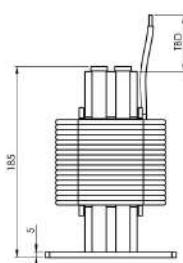
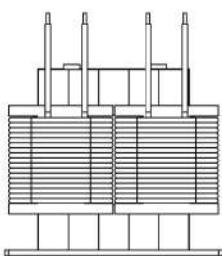
Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

Terminals : Leads

Weight : 12 kg

83538



1

Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

Terminals : Leads

Weight : 12 kg

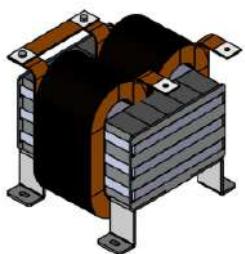
POWER CHOKE



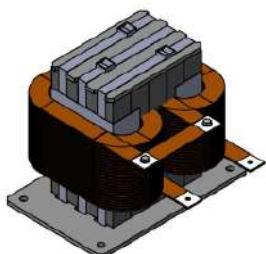
Powder choke - Copper Edge Winding



NEW



83547

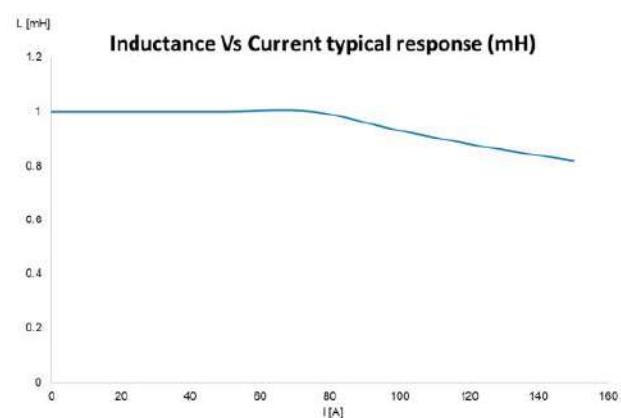


83548

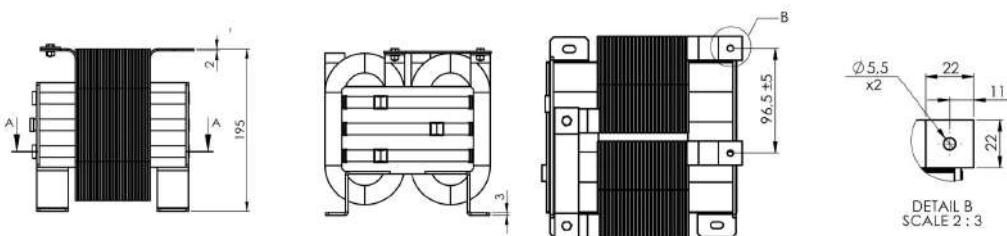
- Operating temperature: -40°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	V.t product	Current
83547	10 000 V. μ s max.	50 Arms or 50 ADC and 10 APP (5 ~ 20 kHz)
83548		

MYRRA Part N°	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	L vs I response
Windings	L	L	L / Ground	L
83547	1.0 mH	7.2 mΩ	4.0 kV	See graph
83548				



83547



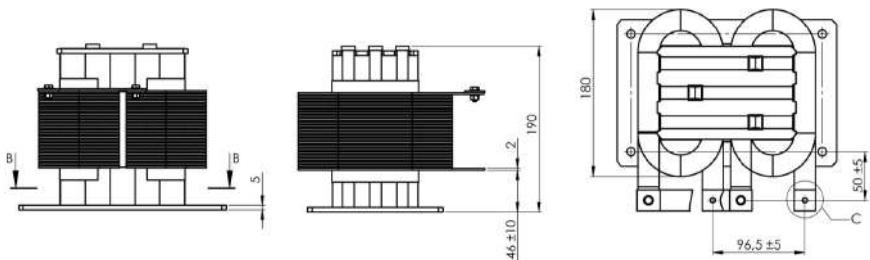
Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

Terminals : Bars

Weight : 20 kg

83548



Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

Terminals : Bars

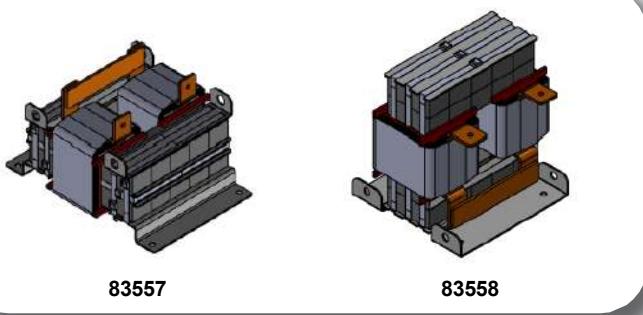
Weight : 20 kg

POWER CHOKE
POWDER CHOKE - COPPER EDGE WINDING

POWER CHOKES

Ferrite core - Copper Foil Winding

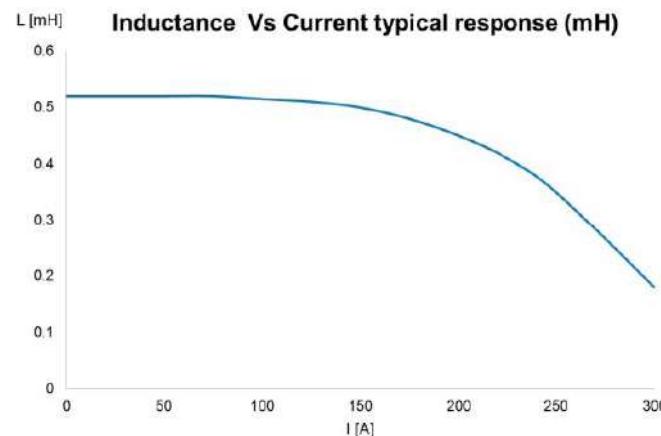
NEW



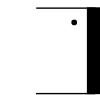
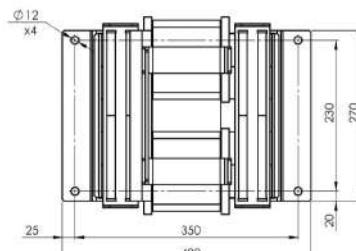
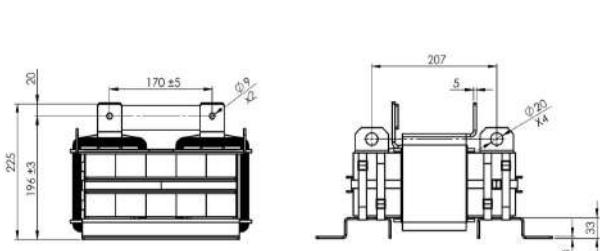
- Operating temperature: -40°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	V.t product	Current
83357	15 000 V. μ s max.	100 Arms or 100 ADC and 40 APP (5 ~ 50 kHz)
83358		

MYRRA Part N°	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	L vs I response
Windings	L	L	L / Ground	L
83357	0.5 mH	2.4 mΩ	4.0 kV	See graph
83358				



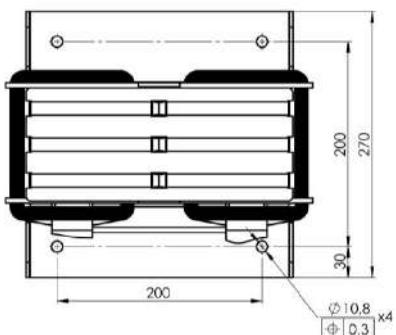
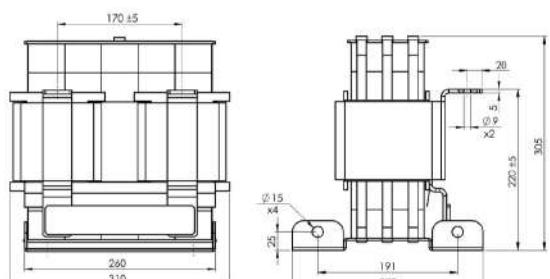
83557



Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm

Terminals : Bars
Weight : 36 kg

83558



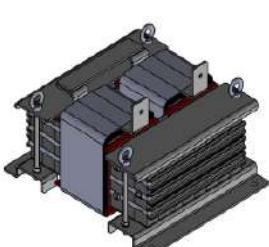
Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm

Terminals : Bars
Weight : 36 kg

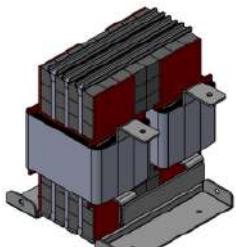
POWER CHOKES

Ferrite core - Aluminium Foil Winding

NEW



83567

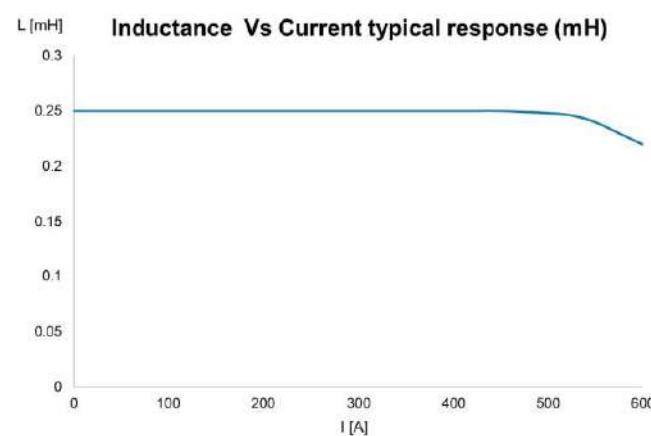


83568

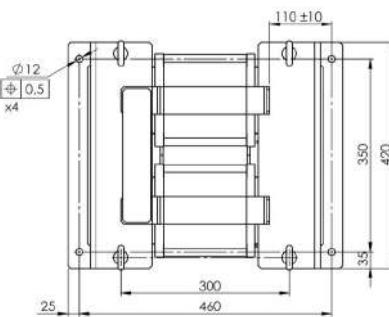
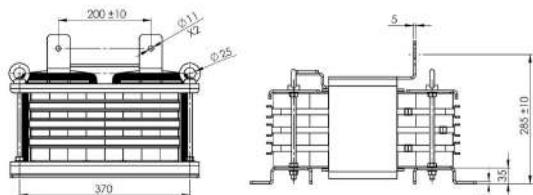
- Operating temperature: -40°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	V.t product	Current
83567	20 000 V. μ s max.	200 Arms or 200 ADC and 50 APP (5 ~ 50 KHz)
83568		

MYRRA Part N°	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	L vs I response
Windings	L	L	L / Ground	L
83567	0.25 mH	1.9 mΩ	4.0 kV	See graph
83568				



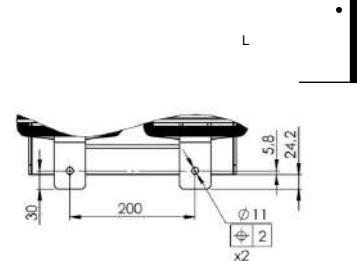
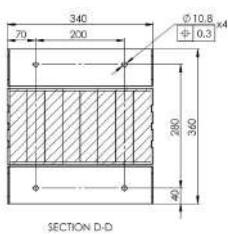
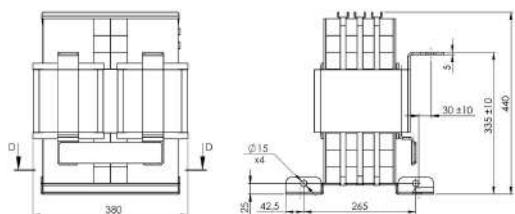
83567



Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

83568



Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm

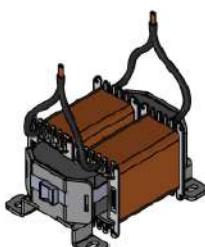
Terminals : Copper Bars

Weight : 120 kg

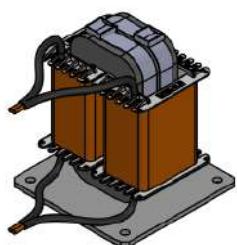
POWER CHOKES
FERRITE CORE - ALUMINIUM FOIL WINDING



NEW



83637

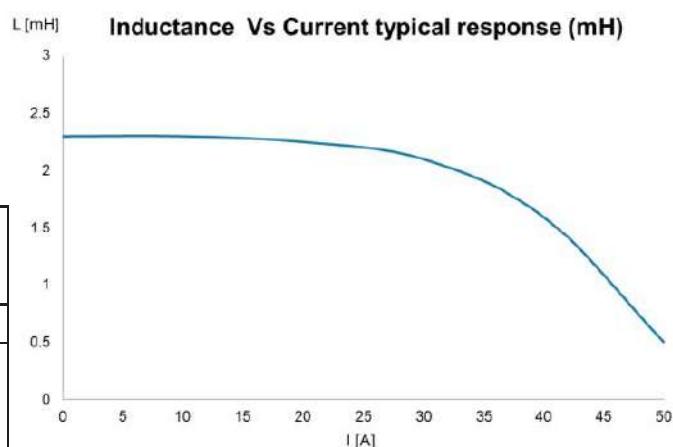


83638

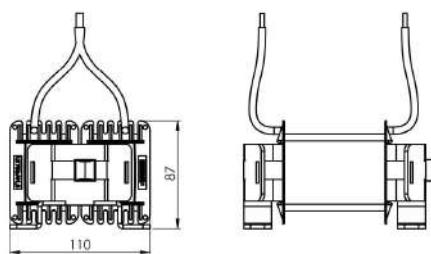
- Operating temperature: -40°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	V.t product	Current
83637	10 000 V. μ s max.	25 Arms or 25 ADC and 5 APP (5 ~ 20 kHz)
83638		

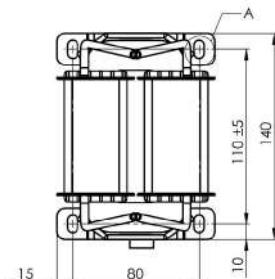
MYRRA Part N°	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	L vs I response
Windings	L	L	L / Ground	L
83637	2.0 mH	26.3 mΩ	4.0 kV	See graph
83638				



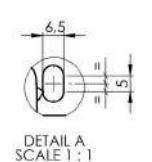
83637



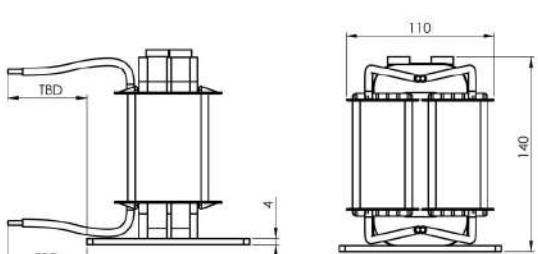
Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm



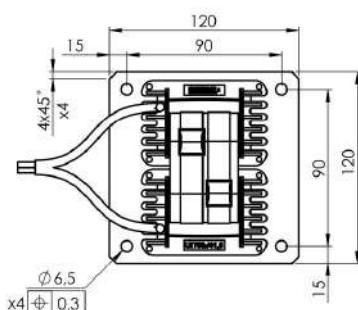
Terminals : Leads
Weight : 3.5 kg



83638



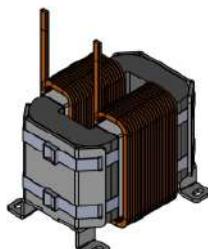
Tolerances : Overall dimensions : +/- 10 mm
Terminals : +/- 5 mm



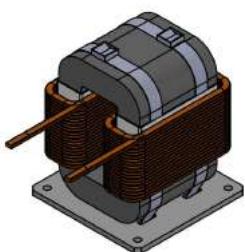
Terminals : Leads
Weight : 3.5 kg



POWER CHOKES



83657



83658

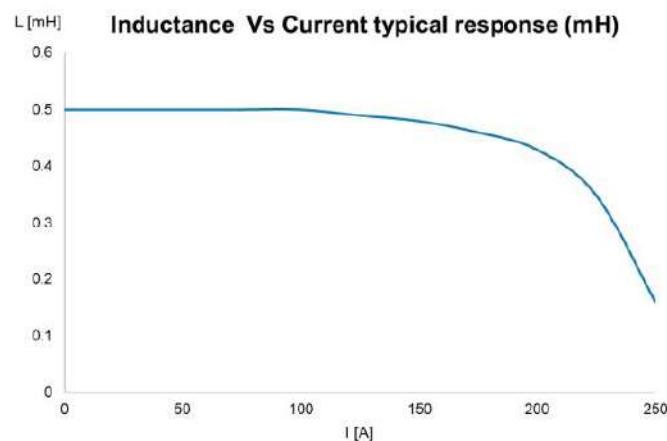
Amorphous core - Rect. Wire Winding

NEW

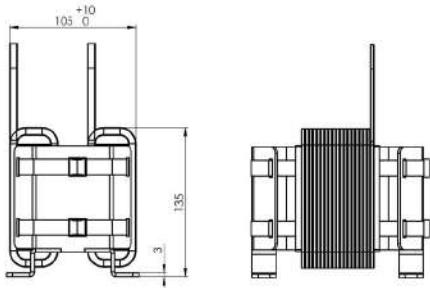
- Operating temperature: -40°C / +140°C (incl. temperature rise)
- Exclusively uses Class H & UL94-V0 listed materials
- Construction conforms to the certified Myrra class H Electrical Insulation System E113497H1

MYRRA Part N°	V.t product	Current
83657	12 000 V. μ s max.	100 Arms or 100 ADC and 20 APP (5 ~ 20 kHz)
83658		

MYRRA Part N°	Inductance +/- 10%	Resistance +/- 10%	Hi-Pot	L vs I response
Windings	L	L	L / Ground	L
83657	0.5 mH	3.8 mΩ	4.0 kV	See graph
83658				

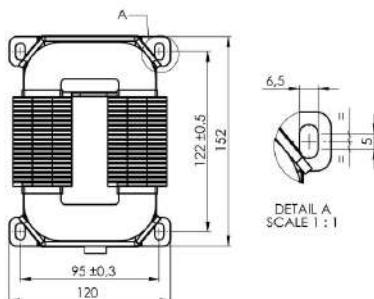


83657



Tolerances : Overall dimensions : +/- 10 mm

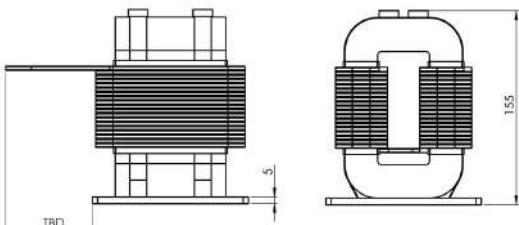
Terminals : +/- 5 mm



Terminals : Leads

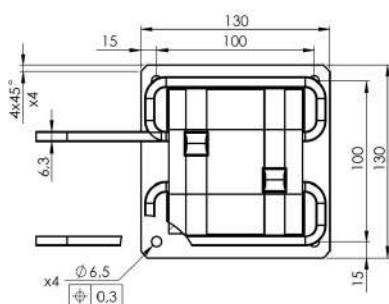
Weight : 12 kg

83658



Tolerances : Overall dimensions : +/- 10 mm

Terminals : +/- 5 mm



Terminals : Leads

Weight : 12 kg

Firosu GmbH

Jahnstrasse 32a
92237 Sulzbach-Rosenberg
Deutschland

tel: +49 9661 906236 | fax: +49 9661 102451
mail: info@firosu.de | web: www.firosu.de