



solutions catalogue

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MYRRA is the France based company founded in 1987 with production plants in France, Poland and China. Myrra specialises on safety plastic moulded transformers, transformers for switch-mode power supplies, inductors, EMI suppression chokes and common mode chokes.

CZ MYRRA je francouzská společnost, která byla založena v r. 1987. Výrobní závody se nacházejí ve Francii, Polsku a Číně. Myrra se specializuje na bezpečnostní transformátory zalité v plastu, transformátory pro spínané zdroje, indukctory, tlumivky a odrušovací cívky.

DE MYRRA ist ein französisches Unternehmen, das im Jahr 1987 gegründet wurde. Die Produktionsstätten befinden sich in Frankreich, Polen und China. Myrra spezialisiert sich auf in Kunststoff eingegossene Sicherheitstransformatoren, Transformatoren für Schaltnetzteile, Induktivitäten, Drosseln und Entstörspulen.

HU A MYRRA egy francia cég, melyet 1987-ben alapítottak. Gyárai Franciaországban, Lengyelországban és Kínában találhatóak. Műanyagba öntött biztonságos transzformátorok, kapcsolóüzemű tápokra, induktivitásokra, főtöltő- és szűrőtekercecsekre specializálódtak.

PL MYRRA to spółka francuska, która została założona w roku 1987. Zakłady produkcyjne znajdują się we Francji, Polsce i Chinach. Myrra specjalizuje się w produkcji transformatorów bezpieczeństwa zatopionych w plastiku, transformatorów dla zasilaczy impulsowych, dławików i cewek przeciwzakłóceńowych.

RO MYRRA este o companie cu sediul în Franța fondată în 1987 cu fabrici în Franța, Polonia și China. Myrra este specializată în transformatoare cu plastic turnat de siguranță, transformatoare pentru sursele de alimentare switch-mode, inductoare, bobine EMI scadere șocuri și șocuri în mod comun.

SK MYRRA je francúzska spoločnosť, ktorá bola založená v r. 1987. Výrobné závody sa nachádzajú vo Francúzsku, Poľsku a Číne. Myrra sa špecializuje na bezpečnostné transformátory zaliate v plastu, transformátory pre spínané zdroje, indukctory, tlumivky a odrušovacie cievky.

Myrra transformers are carefully designed for a given power range, offering low losses, high reliability and safety. In the production range we can find transformers of EI type, as well as low profile UI type. All transformers are vacuum-filled with self-extinguishing UL-94 V0 resin.

Why MYRRA?

- company specialized on transformers and coils
- high reliability and safety of products

Moulded Transformer for PCB

44000 Series

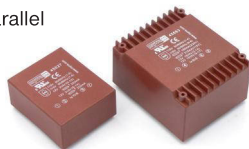
- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 40 grams weight
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production
- Certification: CCA procedure on request
- Available powers 0.6VA - 30VA



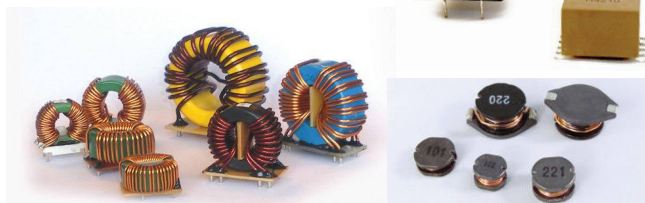
Flat Core Transformers

45000 Series

- 115V/230V supply voltage by series/parallel
- Vacuum filling
- One compartment housing
- Degree of protection IP 00
- 50 grams weight
- Resin UL 94 VO
- Design protection against short-circuits
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production

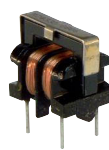


Many other types available...



Common mode chokes

74330, 74332



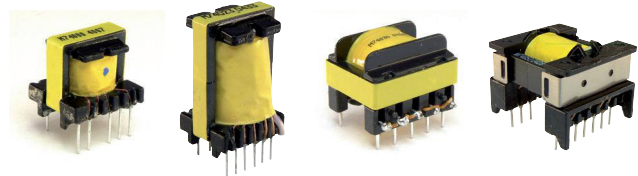
74311



Common mode chokes range for EMI suppression. 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.

- ambient temperature 3/4 50°C
- dielectric strength „ 1.5 kV between windings
- electrical characteristics at 25°C

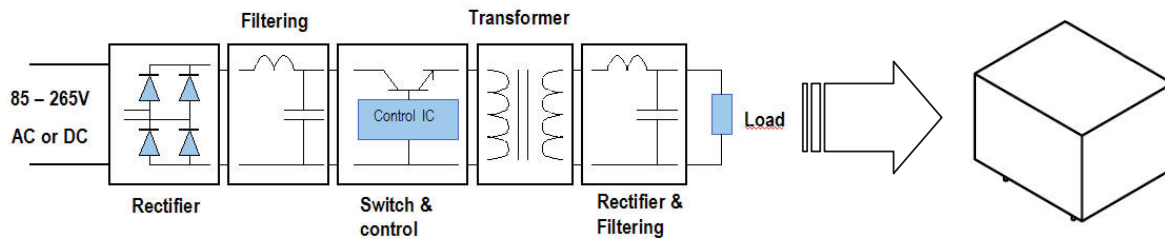
Transformers for Power Switching Supplies



Transformers of the 740xx series from company Myrra offer advantage in a fact, that they are optimized directly for usage with a certain control circuit (chip). That's why they eliminate a necessity of relatively demanding design of custom transformer, or extensive comparing of parameters according to which you'd have to choose a suitable type. Transformers provide a high level of safety - they are made of exclusively UL94-V0 listed materials and they feature a high primary/secondary insulation of more than 4000V.

Type	Core	Max. power	Rated output voltage V _{DC}				Control IC P/N	
74000	E16	5W	5V	12V			VIPer20	
74001	E16	6W	5V				TDA16831	
74010	E16	12W	5V	12V			TDA16831	
74023	EL19	16W	3.3V	5V	12V	18V	30V	TOP243P
74030	E25	30W	5V	12V	12V			TDA16832
74040	ETD29	60W	5V	12V	5V	12V		TDA16834
74050	ETD34	90W	5V	12V	5V	12V		TDA16834
74080	EF20	24W	12V	12V				TOP243P

Switching Power Supplies

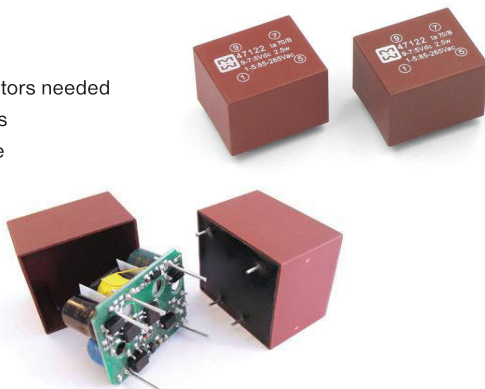


47000 Series

Dimensionally compatible case of standard EI30 transformer can provide more power performance to DC output voltage. The main advantage is the replacement of rectifier, capacitor filter and linear regulator with large heatsink, which significantly reduce PCB space and eliminates the overheating problems with your device. Versions are produced by a power performance from 2.5 to 5W output voltage of 3 to 24Vdc.

Available are models with single output (regulated or non-regulated), as well as with dual common or isolated output (also 2 different voltages available)

- high efficiency
- lower weight
- no filter capacitors needed
- low heat losses
- profitable price



One Output 2.5 & 5W - Regulated

Reference	Output voltage (DC Volts)	Output current (DC mA)	Output Power (W)	Ta (°C)
47121	3.3	750	2.5	+70
47122	5	550	2.75	+70
47123	9	270	2.5	+70
47124	12	210	2.5	+70
47125	15	170	2.5	+70
47126	24	110	2.5	+70
<hr/>				
47151	3.3	1350	4.2	+50
47152	5	900	4.5	+50
47153	9	550	5	+50
47154	12	420	5	+50
47155	15	320	5	+50
47156	24	220	5	+50

One Output 3.2 & 5W Non Regulated

Reference	(DC Volts)	Output current (DC mA)	Output Power (W)	Ta (°C)
47114	12	200	2.4	+70
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47133	9	360	3.2	+70
47134	12	270	3.2	+70
47136	24	130	3.2	+70
<hr/>				
47163	9	560	5 *	+50
47164	12	420	5 *	+50
47166	24	210	5 *	+50

* Power up to 5.4W is possible with input voltage ≥ 97 Vac

- Increased power. 3 x compared to standard EI30 transformer
- Better energetic efficiency: 70% typical compared to 40% for the conventional supply
- Very low Standby Power consumption: meets requirements of Energy Star or EC Code of Conduct
- Same footprint as EI30 transformer : Upgrade your application without redesign of PCB
- Wide input voltage range (85 to 265 Volts AC, 85 to 370 Volts DC)
- Operating ambient temperature: $-25^{\circ}\text{C} / +T_a$ (See table)
- Prepared for Class II – reinforced insulation
- Input / Output Isolation test voltage: 4000 Vac
- Output short circuit protection: automatic restarts when fault condition is removed
- Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

Two Common Outputs 3 to 5W - Regulated

Reference	Output 1 Output 2 (DC Volts)	Output 1 Output 2 (DC mA)	Output Power (W)	Output 1 Output 2 accuracy	Ta (°C)
47243	+10.5 +7	380 max 100 max	4 *	$\pm 3\%$ $\pm 15\%$	+60
47244	+15 +7	300 max 70 max	4 *	$\pm 3\%$ $\pm 15\%$	+60
47245	+12 +5.5	130 max 300 max	3.2	$\pm 5\%$ $\pm 10\%$	+70
47246	+5 +12	400 (600max) 170 max	4	$\pm 3\%$ $\pm 15\%$	+60
47247	+15 -15	130 max 130 max	4	$\pm 8\%$ $\pm 8\%$	+60

* Power up to 5W is possible with input voltage ≥ 97 Vac and $T_a \leq 50^{\circ}\text{C}$

Two Isolated Outputs 3 to 5W - One Output Regulated

Reference	Output 1 Output 2 (DC Volts)	Output 1 Output 2 (DC mA)	Output Power (max W)	Output 1 Output 2 accuracy	Ta (°C)
47252	5 5	350 (600max) 350 max	3.5	$\pm 3\%$ $\pm 15\%$	+60
47254	12 12	165 (300max) 165 max	4	$\pm 5\%$ $\pm 15\%$	+60
47255	15 15	135 (200max) 135 max	4	$\pm 5\%$ $\pm 15\%$	+60
47257	5 12	400 (600max) 170 max	4	$\pm 3\%$ $\pm 15\%$	+60
47258	18 8	150 (200max) 150 max	4	$\pm 5\%$ $\pm 15\%$	+60

