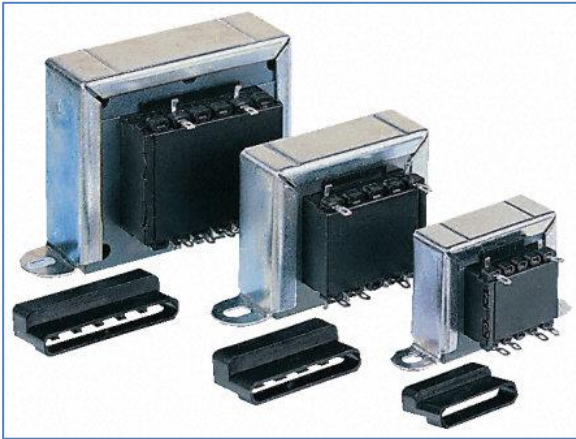


Professionally approved products.

Datasheet

50 VA 2 Output Chassis Mounting Transformer, 6 V ac

RS Stock number [504-666](#)



Description:

Chassis Mount, Clamp Construction, 230Vac, 6VA to 50VA

Chassis mounting low voltage mains transformers with a single 230Va.c. 50/60Hz primary winding. The two independent secondary windings may be connected in series or parallel to give a wide range of output voltage and current options.

- Double section bobbin construction
- Fully shrouded bobbins
- Full varnish impregnation
- Two hole fixing wrap-over clamps 6VA to 50VA
- Solder tag terminations
- Optional terminal shrouds (example [503-912](#))
- 100% electrical and flash tested
- Tested in accordance with BS3535 and EN 60 742

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Specifications:

Fixing Hole Diameter:	4.7 x 9.5mm
Length:	79mm
Maximum Operating Frequency:	60Hz
Minimum Operating Frequency:	50Hz
Mounting Type:	Clamp Mount
Number of Outputs:	2
Power Rating:	50VA
Primary Voltage Rating:	230 V ac
Secondary Voltage Rating:	6 V ac
Nominal Input Voltage:	230v +/-10%, 50/60Hz
No-load Input Current @ 230V 50Hz:	100mA (RMS) max.
Full Load Output Voltage +/-5% @ 50VA:	6 + 6
Secondary Resistance +/- 15% @ 20.C:	0.075 + 0.088
Primary Winding Resistance:	44 +/- 15% @ 20.C
Regulation:	< 10% typical for range
Maximum Winding Temperature Rise:	55.C
Efficiency:	> 84%
Iron Loss:	3.65W
Copper Loss:	5.6W
Flash Test:	Primary/Secondary's 4KV RMS for 6 seconds Windings/Core 2KV RMS for 6 seconds
Insulation Test:	Primary/Secondary's/Core >50MΩ @ 500Vdc @ 20.C
Over potential Test:	460V 500Hz applied across primary, secondary's open circuit. (Type Test Only)
Core Material:	800-50
Winding Wire:	BS6811 Section 3.1 Grade 1
Bobbin and Full Shrouds:	Split Section, Glass Filled Nylon
Overall Insulation Rating:	Class B (130.C)
Finish:	Class F Stoved Varnish
Dimensions:	79mm wide x 65mm high x 62mm deep (nominal) Including tags
Fixing Centres:	92mm. Slots 4.7mm x 9.5mm
Weight:	1.0Kg nominal

All tolerances and production tests in accordance with EN61558 (EN60742)