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Datasheet

12VA 2 Output Chassis Mounting Transformer, 6 V ac

RS Stock number [504-745](#)



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

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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12VA Clamp Mount, 230v Primary, Transformer Specification

Nominal Input Voltage 230v +/-10%, 50/60Hz

No-load Input Current @ 230V 50Hz 50mA (rms) max.

Stock Number	Manufacturer Part Number	Full Load Output Voltage +/-5% @ 12VA	Secondary Resistance Ω +/- 15% @ 20.C
504735	ST53445	5 + 5	0.27 + 0.31
504745	ST53448	6 + 6	0.4 + 0.47
504600	ST53419	9 + 9	0.78 + 0.92
504741	ST53447	12 + 12	1.36 + 1.8
504751	ST53449	15 + 15	2.02 + 2.41
504606	ST53420	18 + 18	3.03 + 3.6
504599	ST53418	20 + 20	4.34 + 5.09
504616	ST53422	24 + 24	5.15 + 6.11

Primary Winding Resistance 200 Ω +/- 15% @ 20.C

Regulation < 25% typical* for range

Maximum Winding Temperature Rise 55.C

Efficiency > 87%

Iron Loss 1.8W

Copper Loss 1.65W

Flash Test Primary/Secondary's Windings/Core 4KV rms For 6 Seconds
2KV rms For 6 Seconds

Insulation Test Primary/Secondary's/Core >50M Ω @ 500Vdc @ 20.C

Overpotential 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 59mm wide x 50mm high x 50mm deep (nominal)
Including tags.

Fixing Centre's 70mm. Slots 4.7mm x 8.7mm

Weight 0.4Kg nominal

* Calculated as Regulation = $\frac{V_{NL} - V_{FL}}{V_{NL}} \times 100\%$

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