

50VA Clamp Mount 2 X 115v Primary Transformer Specification

Nominal Input Voltage 0-115v, 0-115v ± 10%, 50/60Hz

No-load Input Current @ 230 v 50 Hz 100 ma (rms) max.

Stock Number	Full Load Output Voltage	Secondary Resistance ± 15% @ 20°C
231 - 8303	6v + 6v	0.075Ω + 0.088Ω
231 - 8296	9v + 9v	0.159Ω + 0.191Ω
231 - 8319	12v + 12v	0.30Ω + 0.36Ω
231 - 8325	15v + 15v	0.43Ω + 0.51Ω
231 - 8331	24v + 24v	1.2Ω + 1.43Ω

Primary Winding Resistance 19.8 + 24.2Ω + 15% @ 20°C

Regulation * 10%

Maximum Winding Temperature Rise 55°C typical in free air

Efficiency 84%

Iron Loss 3.65W

Copper Loss 2.86W

Flash Test Primaries /Secondaries 4 Kv rms For 6 seconds
Windings/Cores 2 Kv rms "

Insulation Test Primaries/Secondaries/Core 50 mΩ 500Vdc 20°C

Overpotential Test 460v 500 Hz applied across primaries, secondaries 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 Varnish stoved

Dimensions 79mm wide x 65mm high x 62mm deep (nom) including tags

Fixing ctrs 92mm slots 4.7 x 9.5mm

Weight 1.0Kg

* Calculated as Regulation = $\frac{(vnl-vfl)}{vnl} \times 100\%$

All Tolerances and Production Test in Accordance with BS3535 EN60 742 Appendix 1A