

100VA Frame Mount, 2 x 115V Primary, Transformer Specification

Nominal Input Voltage 0-115V, 0-115V +/-10%, 50/60Hz

No-load Input Current @ 230V 50Hz 110mA (rms) max.

Stock Number	Manufacturer Part Number	Full Load Output Voltage +/-5% @ 100VA	Secondary Resistance Ω +/- 15% @ 20.C
504331	ST53370	6 + 6	0.038 + 0.046
504325	ST53368	9 + 9	0.080 + 0.098
504341	ST53372	12 + 12	0.135 + 0.164
504319	ST53367	15 + 15	0.215 + 0.265
504335	ST53371	24 + 24	0.53 + 0.64

Primary Winding Resistance 9.5 + 10.5 Ω +/- 15% @ 20.C

Regulation < 10% typical* for range

Maximum Winding Temperature Rise 55.C

Efficiency > 87%

Iron Loss 5.0W

Copper Loss 9.2W

<u>Flash Test</u>	Primary/Secondary's Windings/Core	4KV rms 2KV rms	For 6 Seconds For 6 Seconds
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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 89mm wide x 75mm high x 68mm deep (nominal)
Including tags.

Fixing Centres 57mm x 43.5mm. Slots 4.7mm x 7.9mm

Weight 1.60Kg nominal

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

Note The lamination stack may, or may not have a central slot on the long side. This should not be used for mounting purposes

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