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Datasheet

12VA 2 Output Chassis Mounting Transformer

RS Stock number [504-600](#)



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

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<u>Primary Winding Resistance</u>	200 Ω +/- 15% @ 20.C		
<u>Regulation</u>	< 25% typical* for range		
<u>Maximum Winding Temperature Rise</u>	55.C		
<u>Efficiency</u>	> 87%		
<u>Iron Loss</u>	1.8W		
<u>Copper Loss</u>	1.65W		
<u>Flash Test</u>	Primary/Secondary's Windings/Core	4KV rms 2KV rms	For 6 Seconds For 6 Seconds
<u>Insulation Test</u>	Primary/Secondary's/Core	>50MΩ @ 500Vdc @ 20.C	
<u>Overpotential Test</u>	460V 500Hz applied across primary, secondary's open circuit. (Type Test Only)		
<u>Core Material</u>	800-50		
<u>Winding Wire</u>	BS6811 Section 3.1 Grade 1		
<u>Bobbin and Full Shrouds</u>	Split Section, Glass Filled Nylon		
<u>Overall Insulation Rating</u>	Class B (130.C)		
<u>Finish</u>	Class F Stoved Varnish		
<u>Dimensions</u>	59mm wide x 50mm high x 50mm deep (nominal) Including tags.		
<u>Fixing Centre's</u>	70mm. Slots 4.7mm x 8.7mm		
<u>Weight</u>	0.4Kg nominal		

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