

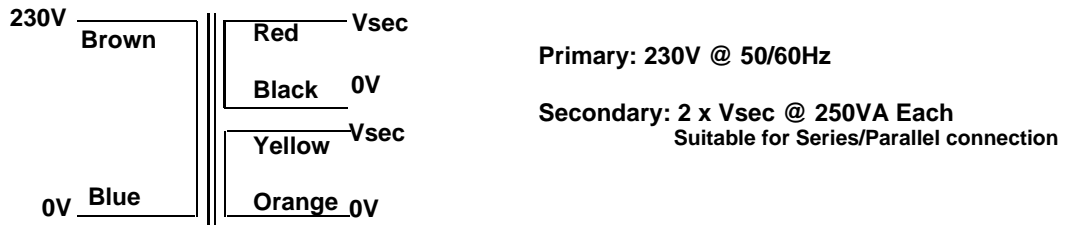


# Toroidal Transformer Data Sheet

Standard Power Transformers 500VA



High quality open style toroidal transformers with a single 230V a.c. 50/60Hz primary winding. Twin secondary windings may be connected in series or parallel or used independently.



Part Number	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC Resistance [Ohms] @ 25°C
0500P1-2-025	2 x 25	10.000	2 x 26.71	2 x 0.0789
0500P1-2-030	2 x 30	8.333	2 x 32.27	2 x 0.1188
0500P1-2-035	2 x 35	7.143	2 x 37.47	2 x 0.1561
0500P1-2-040	2 x 40	6.250	2 x 43.03	2 x 0.2043
0500P1-2-045	2 x 45	5.556	2 x 48.59	2 x 0.2645
0500P1-2-050	2 x 50	5.000	2 x 53.42	2 x 0.3267
0500P1-2-055	2 x 55	4.545	2 x 58.61	2 x 0.3614

<b>Primary Winding</b>	Input Voltage Range : 207V – 253V (230V +/- 10%) @ 50/60Hz DC Resistance @ 25°C = Approx 2.5 Ohms Magnetising Current @ 230V = Approx 23.1mA Magnetising Current @ 253V = Approx 98.0mA		
<b>Losses</b>	Iron Losses 2.36 Watts approx Copper Losses 37.5 Watts approx		
<b>Temperature Class</b>	Winding Wire (Primary & Secondary) Insulation between input and output Connection lead insulation	Class H (180°C) Class B (130°C) Class A (105°C)	
<b>Standards</b>	Approved to UL506 : File E215495 Approved to EN61558 : KEMA Certificate 2001469 Conforms to EN60065, VDE0550, BS415.		
<b>Physical Data</b>	Approximate Dimensions	Diameter	136mm*
		Height	60mm
	Approximate Weight	* Measured away from leadout bulge; Allow extra 4mm at leads. 3.50 Kg	
<b>Terminations</b>	<b>Primary</b>	Solid copper conductors (extension of winding wire), insulated over their entire length with PVC tubing. Double-insulated over entire length with Class A PVC tubing. 150mm Long, 10mm tinned ends.	
	<b>Secondary</b>	Solid copper conductors (extension of winding wire), insulated over their entire length with PVC tubing. 150mm Long, 10mm tinned ends.	
<b>Mounting Hardware</b>	Each transformer is supplied with a mouting kit, comprising: Neoprene Insulating disc 2 pieces Dished Steel Washer 1 piece		

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