

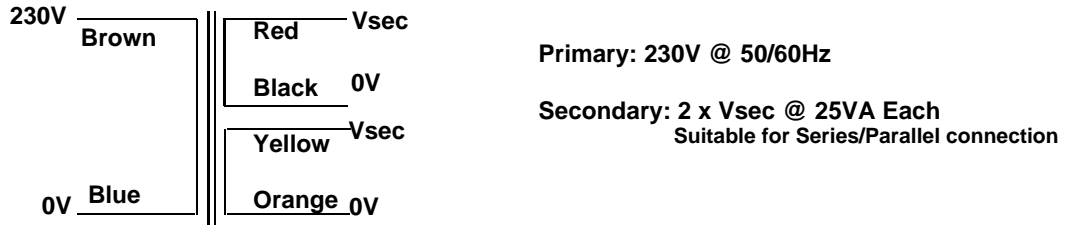


Toroidal Transformer Data Sheet

Standard Power Transformers 50VA



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
0050P1-2-006	2 x 6	4.167	2 x 6.80	2 x 0.0914
0050P1-2-009	2 x 9	2.778	2 x 10.20	2 x 0.2139
0050P1-2-012	2 x 12	2.083	2 x 13.71	2 x 0.3977
0050P1-2-015	2 x 15	1.667	2 x 17.22	2 x 0.6411
0050P1-2-018	2 x 18	1.389	2 x 20.39	2 x 0.8519
0050P1-2-025	2 x 25	1.000	2 x 28.78	2 x 1.9135
0050P1-2-055	2 x 55	0.455	2 x 63.22	2 x 9.4110

Primary Winding	Input Voltage Range : 207V – 253V (230V +/- 10%) @ 50/60Hz DC Resistance @ 25°C = Approx 49 Ohms Magnetising Current @ 230V = Approx 5.0mA Magnetising Current @ 253V = Approx 26.0mA		
Losses	Iron Losses 0.41 Watts approx Copper Losses 8.35 Watts approx		
Temperature Class	Winding Wire (Primary & Secondary) Insulation between input and output Connection lead insulation	Class H (180°C) Class B (130°C) Class A (105°C)	
Standards	Approved to UL506 : File E215495 Approved to EN61558 : KEMA Certificate 2001469 Conforms to EN60065, VDE0550, BS415.		
Physical Data	Approximate Dimensions	Diameter	80mm*
		Height	33mm
	Approximate Weight	* Measured away from leadout bulge; Allow extra 4mm at leads. 0.65 Kg	
Terminations	Primary	UL1569 Flexible leads, 150mm Long with 10mm stripped ends, double-insulated over entire length with Class A PVC tubing.	
	Secondary	Solid copper conductors (extension of winding wire), insulated over their entire length with PVC tubing. 150mm Long, 10mm tinned ends.	
Mounting Hardware	Each transformer is supplied with a mounting kit, comprising: Neoprene Insulating disc 2 pieces Dished Steel Washer 1 piece		

Document Ref : 0050P1_0209