

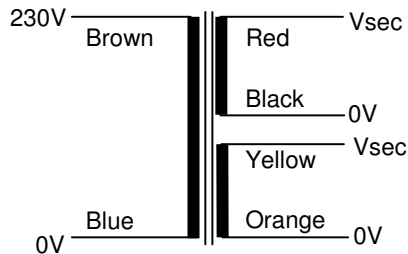


Toroidal Transformer Data Sheet

Standard Power Transformers 500VA
230V Primaries, Dual Secondaries



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.



Primary: 230V @ 50/60Hz

Secondary: 2 x Vsec @ 250VA Each
Suitable for Series/Parallel connection

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

Primary Winding 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

Losses Iron Losses 2.36 Watts approx
Copper Losses 37.5 Watts approx

Temperature Class Winding Wire (Primary & Secondary) Class H (180°C)
Insulation between input and output Class B (130°C)
Connection lead insulation Class A (105°C)

Standards Approved to UL506 : File E215495
Approved to EN61558 : KEMA Certificate 2060938
Conforms to EN60065, VDE0550, BS415.

Physical Data Approximate Dimensions Diameter 136mm*
Height 60mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 3.50 Kg

Terminations Primary Solid copper conductors (extension of winding wire), insulated over their entire length with PVC tubing. Double-insulated over entire length with PVC tubing. 150mm Long, 10mm tinned ends.
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