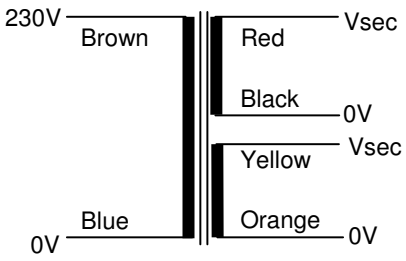
Toroidal Transformer Data Sheet

Standard Power Transformers 50VA
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 @ 25VA 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
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) 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 80mm*
Height 33mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 0.65 Kg

Terminations
Primary UL1569 Flexible leads, 150mm Long with 10mm stripped ends, double-insulated over entire length with 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