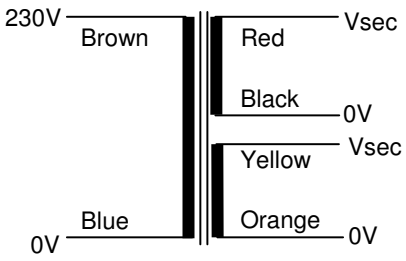
Toroidal Transformer Data Sheet

Standard Power Transformers 1000VA
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 @ 500VA 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
1000P1-2-040	2 x 40	12.500	2 x 41.76	2 x 0.0677
1000P1-2-045	2 x 45	11.111	2 x 47.06	2 x 0.0851
1000P1-2-050	2 x 50	10.000	2 x 52.35	2 x 0.1171
1000P1-2-055	2 x 55	9.091	2 x 57.65	2 x 0.1299

Primary Winding
Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz
DC Resistance @ 25'C = Approx 1.1 Ohms
Magnetising Current @ 230V = Approx 38.1mA
Magnetising Current @ 253V = Approx 97.0mA

Losses
Iron Losses 4.55 Watts approx
Copper Losses 55.0 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 162mm*
Height 70mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 6.50 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