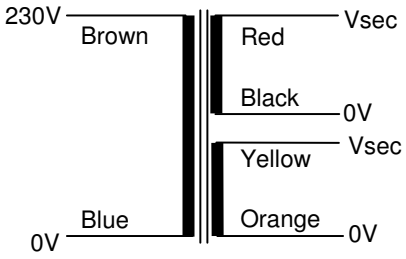
Toroidal Transformer Data Sheet

Standard Power Transformers 300VA
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 @ 150VA 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
0300P1-2-025	2 x 25	6.000	2 x 26.85	2 x 0.1677
0300P1-2-030	2 x 30	5.000	2 x 32.52	2 x 0.2300
0300P1-2-035	2 x 35	4.286	2 x 37.88	2 x 0.3010
0300P1-2-055	2 x 55	2.727	2 x 59.66	2 x 0.8141

Primary Winding
Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz
DC Resistance @ 25'C = Approx 4.7 Ohms
Magnetising Current @ 230V = Approx 16.5mA
Magnetising Current @ 253V = Approx 77.0mA

Losses
Iron Losses 1.59 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 115mm*
Height 58mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 2.30 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