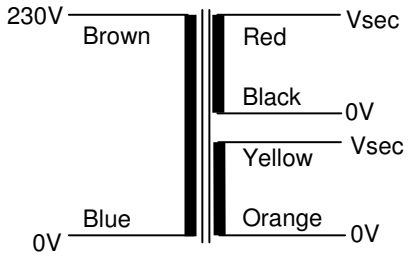
Toroidal Transformer Data Sheet

Standard Power Transformers 160VA
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 @ 80VA 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
0160P1-2-012	2 x 12	6.667	2 x 13.26	2 x 0.0909
0160P1-2-015	2 x 15	5.333	2 x 16.63	2 x 0.1469
0160P1-2-018	2 x 18	4.444	2 x 19.79	2 x 0.1974
0160P1-2-025	2 x 25	3.200	2 x 27.31	2 x 0.3772
0160P1-2-030	2 x 30	2.667	2 x 32.86	2 x 0.5638
0160P1-2-055	2 x 55	1.455	2 x 60.17	2 x 1.8566

Primary Winding
Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz
DC Resistance @ 25'C = Approx 10 Ohms
Magnetising Current @ 230V = Approx 10.4mA
Magnetising Current @ 253V = Approx 57.0mA

Losses
Iron Losses 0.93 Watts approx
Copper Losses 18.0 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 105mm*
Height 42mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 1.50 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