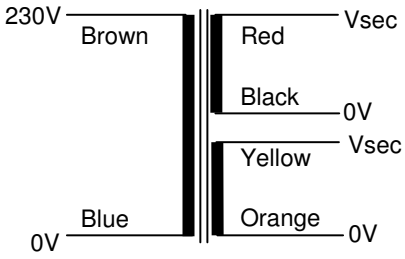
Toroidal Transformer Data Sheet

Standard Power Transformers 120VA
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 @ 60VA 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
0120P1-2-012	2 x 12	5.000	2 x 13.42	2 x 0.1336
0120P1-2-015	2 x 15	4.000	2 x 16.82	2 x 0.2098
0120P1-2-018	2 x 18	3.333	2 x 20.04	2 x 0.6182
0120P1-2-025	2 x 25	2.400	2 x 28.02	2 x 0.6675
0120P1-2-055	2 x 55	1.091	2 x 61.83	2 x 3.3908

Primary Winding
Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz
DC Resistance @ 25'C = Approx 16 Ohms
Magnetising Current @ 230V = Approx 8.5mA
Magnetising Current @ 253V = Approx 45.0mA

Losses
Iron Losses 0.73 Watts approx
Copper Losses 15.2 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 93mm*
Height 46mm
* Measured away from leadout bulge; Allow extra 4mm at leads.
Approximate Weight 1.20 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