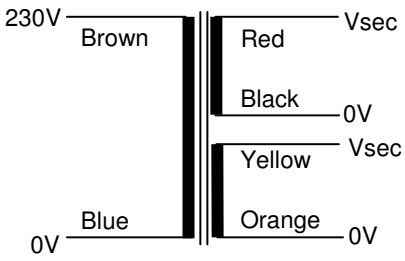
# Toroidal Transformer Data Sheet

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