

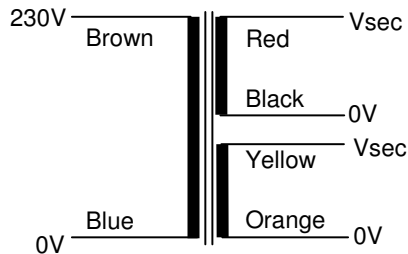


# Toroidal Transformer Data Sheet

Standard Power Transformers 500VA  
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 @ 250VA 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 |
|--------------|--------------------|---------------------------|------------------|-----------------------------|
| 0500P1-2-025 | 2 x 25             | 10.000                    | 2 x 26.71        | 2 x 0.0789                  |
| 0500P1-2-030 | 2 x 30             | 8.333                     | 2 x 32.27        | 2 x 0.1188                  |
| 0500P1-2-035 | 2 x 35             | 7.143                     | 2 x 37.47        | 2 x 0.1561                  |
| 0500P1-2-040 | 2 x 40             | 6.250                     | 2 x 43.03        | 2 x 0.2043                  |
| 0500P1-2-045 | 2 x 45             | 5.556                     | 2 x 48.59        | 2 x 0.2645                  |
| 0500P1-2-050 | 2 x 50             | 5.000                     | 2 x 53.42        | 2 x 0.3267                  |
| 0500P1-2-055 | 2 x 55             | 4.545                     | 2 x 58.61        | 2 x 0.3614                  |

**Primary Winding** Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz  
DC Resistance @ 25°C = Approx 2.5 Ohms  
Magnetising Current @ 230V = Approx 23.1mA  
Magnetising Current @ 253V = Approx 98.0mA

**Losses** Iron Losses 2.36 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 136mm\*  
Height 60mm  
\* Measured away from leadout bulge; Allow extra 4mm at leads.  
Approximate Weight 3.50 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