Toroidal Transformer Data Sheet
30-Dec-2009

Open Style, with leads, 230V Primary, 160VA

230V Brown Red Vsec Primary 230V @ 50/60Hz
Black 0V Secondary 2 x Vsec, @ 80VA Each
Yellow Vsec Suitable for Series/Parallel Connection
0V Blue Orange 0V

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**Primary Winding**
- Input Voltage: 230V±10% @ 50/60Hz
- DC Resistance @25°C = 10 Ohms (approx)
- Magnetising Current @ 230V = 120.0mA (approx)
- Magnetising Current @ 253V = 300.0mA (approx)

**Losses**
- Iron Losses: 7.0 Watts (approx)
- Copper Losses: 18.80 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**
- Designed, manufactured and tested according to the requirements of:
  - EN61558 Class II, Non-Short-Circuit Proof
  - VDE0570 Class II
  - IEC61558 Class II
  - UL506

**Physical Data**
- Approximation Dimension: Diameter 109mm*
  Height 46mm
  * Measured away from leadout bulge, allow extra 4mm at leads
- Approximate weight: 1.74 Kg

**Terminations**
- **Primary** Solid Copper Conductors (Extension of winding wire)
  double Insulated over their entire length with PVC tubing
  150mm Long, with 10mm tinned ends.
- **Secondary** Solid copper conductors (extension of winding wire)
  insulated over their entire length with PVC tubing
  150mm Long, with 10mm tinned ends.