

Toroidal Transformer



Specifications:

Power Rating	: 160VA
Secondary Voltages	: 2 × 30V
Transformer Mounting	: Chassis
Bolt Hole Diameter	: 6mm
Bolt Length	: 60mm
Current Rating	: 2.67A
External Diameter	: 100mm
External Length / Height	: 42mm
Primary Voltages	: 115V / 230V
Regulation	: 6.7%
Secondary Power	: 80VA
Temperature Rise	: 52°C
Transformer Type	: Toroidal
Weight	: 1.6kg

Primary:

Dual primary winding for connection in series or parallel only

Input voltage	: 115 or 230V ±10%, 50/60Hz
DC Resistance	: 2 × 5.5Ω ±15% at 20°C.
Magnetising current	: 11mA approximately at 230V, 50Hz (22mA approximately at 115V, 50Hz)

Termination:

All leads tri-rated cable rated 600V/105°C VW-1.
Primary leads double insulated with PVC sleeving for a minimum of 20mm.
Lead lengths ±5mm approximately all leads ends tinned to 6mm.
Primary/Secondary Leads 0°.

Losses:

Iron loss	: 1.12 watts approximately
Copper loss	: 13.9 watts approximately
Efficiency	: 91.0% typical
Temperature rise	: 54°C approximately
Ambient rated	: 40°C

Temperature Class:

Winding wire	: Class H (180°C)
Insulation system	: Class B (130°C)
Lead out insulation	: Class A (105°C)
Overall	: Class A (105°C)

Approximately Dimensions (Mounting Excluded):

Diameter	: 105mm (allows extra 5mm over lead out area)
Height	: 47mm (allows extra 5mm over lead out area)

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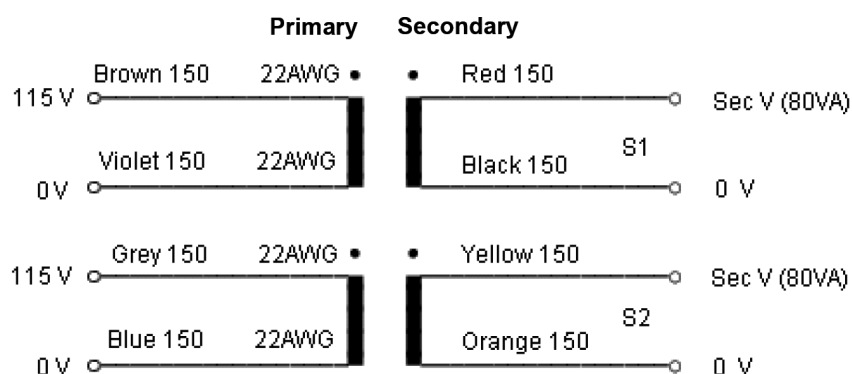
Supplied with:

- 1 × 90mm dished mounting plate.
- 2 × 90mm neoprene mounting pads.
- 1 × M6 × 60mm screw, nut and washer.

Standards:

Designed and manufactured in accordance with: EN60742 (Non short circuit proof), EN60065 (IEC65), EN60950

Schematic:



Part Number Table

Description	Part Number
Transformer, 160VA, 2 × 30V	MCTA160/30

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