

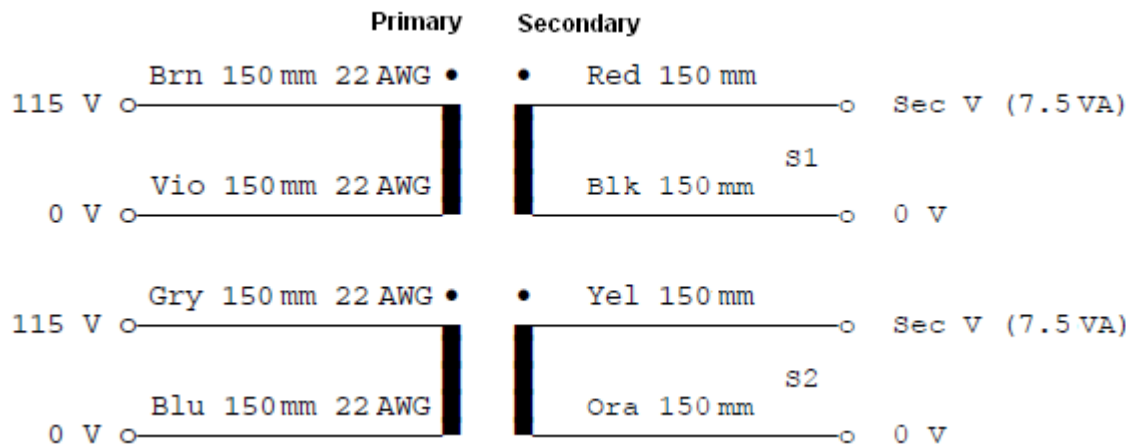
Toroidal Transformers



General Purpose



Schematic TA Range



Primary

Dual primary winding for connection in series or parallel only
Input Voltage : 115 or 230 V \pm 10% 50 / 60 Hz
DC Resistance : $2 \times 79.1 \Omega \pm 15\%$ at 20°C
Magnetising Current : 2.5 mA approximate at 230 V 50 Hz (5 mA approximate at 115 V 50 Hz)

Termination

All leads tri-rated UL1015 style cable rated 600 V / 105°C VW-1
Primary leads double insulated with PVC sleeving for a minimum of 20 mm
Lead lengths ± 5 mm approximate all leads ends tinned to 6 mm
Pri / Seconds leads O°



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Losses

Iron Loss	: 0.25 W approximate
Copper Loss	: 2.5 W approximate
Efficiency	: 84% typical
Temperature Rise	: 27°C approximate
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)

Approximate Dimensions / Weight (Mounting Excluded)

Diameter	: 64.5 mm*
Height	: 30.5 mm*
Weight	: 0.33 kg
* allow extra 5 mm over lead-out area	

Supplied with

- 1 × 50 mm dished mounting plate
- 2 × 50 mm neoprene mounting pads
- 1 × M5 × 40 mm screw, nut and washer

Standards

Designed and manufactured in accordance with:
EN60742 (Non short circuit proof), EN60065 (IEC65), EN60950
UL recognised to UL1411, 2601-1 and UL1950 under family approval file E115159

Specification Table

On Load Seconds V	Rated Amperes Per Seconds	Off Load Seconds V	Seconds Flex Gauge	Seconds Ω at 20°C	Part Number
6	1.25	6.9	22 AWG	0.46	MCTA015/06
9	0.83	10.4		1.08	MCTA015/09
12	0.63	13.9		1.76	MCTA015/12
15	0.5	17.3		2.78	MCTA015/15
18	0.42	20.9		4.21	MCTA015/18

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