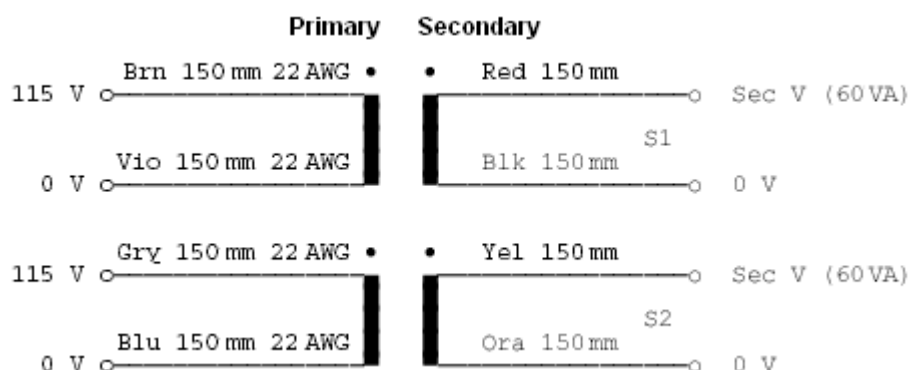


Toroidal Transformers

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 : $2 \times 7.3 \Omega \pm 15\%$ at 20°C

Magnetising Current : 9 mA approximate at 230 V 50 Hz (18 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°

Losses

Iron Loss : 0.98 watts approximate

Copper Loss : 11.4 watts approximate

Efficiency : 91% typical

Temperature Rise : 56°C approximate

Ambient Rated : 40°C

Toroidal Transformers



General Purpose

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	: 95 mm*
Height	: 47 mm*
Weight	: 1.32 kg
* allow extra 5 mm over lead-out area	

Supplied with

- 1 × 70 mm dished mounting plate
- 2 × 70 mm neoprene mounting pads
- 1 × M6 × 50 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
12	5	13.2	18 AWG	0.12	MCTA120/12
15	4	16.4	20 AWG	0.19	MCTA120/15
18	3.3	19.6		0.29	MCTA120/18
25	2.4	27.3		0.55	MCTA120/25
55	1.09	59.5		2.18	MCTA120/55

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