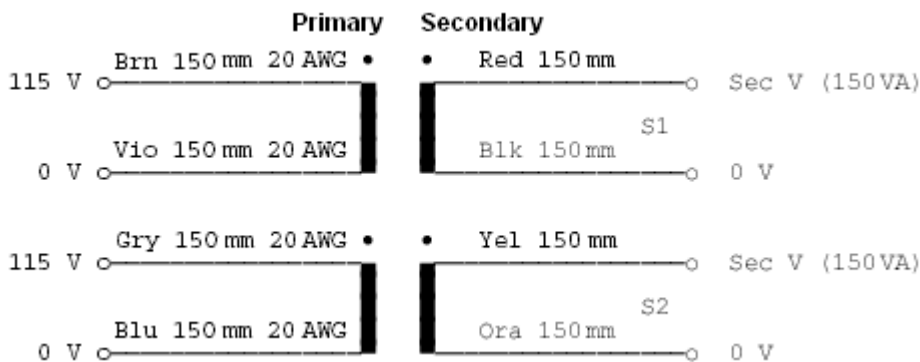


Toroidal Transformers

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 : $2 \times 2.13 \Omega \pm 15\%$ at 20°C

Magnetising Current : 18 mA approximate at 230 V 50 Hz (36 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 : 1.8 watts approximate

Copper Loss : 19.8 watts approximate

Efficiency : 93% 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	: 125.5 mm*
Height	: 54 mm*
Weight	: 2.83 kg

* allow extra 5 mm over lead-out area

Supplied with

- 1 × 90 mm dished mounting plate
- 2 × 90 mm neoprene mounting pads
- 1 × M6 × 60 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
25	6	26.6	18 AWG	0.14	MCTA300/25
30	5	31.9	20 AWG	0.19	MCTA300/30
35	4.29	37.1		0.28	MCTA300/35
55	2.73	58.5		0.69	MCTA300/55

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2012.