

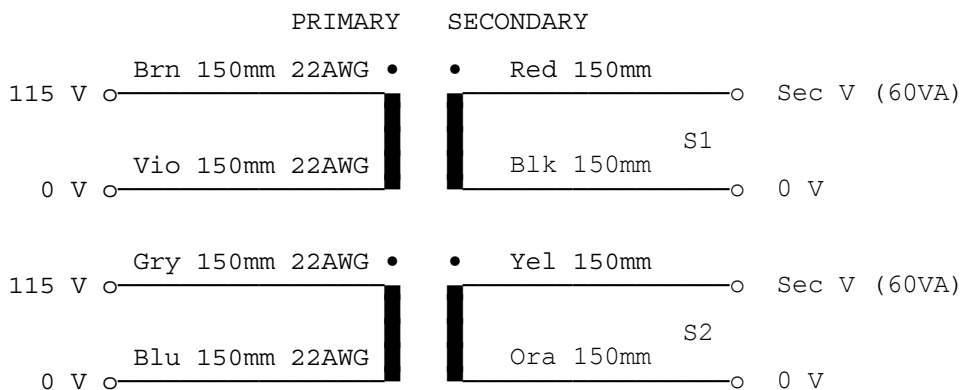


TOROID International Ltd.

Issue. 2  
28/11/02

**Data Sheet for TA range 120VA General Purpose Toroidal Transformers.**

Schematic



Primary

Dual primary winding for connection in series or parallel only

Input Voltage: 115 or 230v ± 10% 50/60Hz.

DC resistance: 2x 7.3 Ohms ± 15% @ 20 deg.C

Magnetising current: 9.0mA approx.@ 230v 50Hz (18mA approx. @ 115v 50Hz)

Termination

All leads Tri-Rated UL1015 style cable rated 600v /105°C VW-1

Primary leads double insulated with PVC sleeving for a minimum of 20mm.

Lead lengths ± 5mm approx. All leads ends tinned to 6 mm.

Pri/Sec leads 0°

Losses

Iron loss : 0.98 Watts approx.

Copper loss: 11.4 Watts Approx.

Efficiency : 91.0% typical

Temperature rise: 54°C approx.

Ambient rated: 40°C

Temperature Class

Winding wire: Class H (180°C)

Insulation system: Class B (130°C)

Leadout insulation: Class A (105°C)

Overall: Class A (105°C)

Farnell Part No.	On Load Sec V	Rated amps per Sec	Off load Sec V	Sec Flex Gauge	Sec Ohms @ 20°C.	TI Part No.	UL Part No.
306-8810	12	5.00	13.2	18 AWG	0.12	TA120/12	TI-69162-ME
306-8821	15	4.00	16.4	20 AWG	0.19	TA120/15	TI-69163-ME
306-8833	18	3.33	19.6	20 AWG	0.29	TA120/18	TI-69164-ME
306-8845	25	2.40	27.3	20 AWG	0.55	TA120/25	TI-69165-ME
306-8857	55	1.09	59.5	20 AWG	2.18	TA120/55	TI-69171-ME

Approx. dimensions/weight (mounting excluded)

Diameter 95.0 mm\* \* allow extra 5mm  
 Height 47.0 mm\* over leadout area  
 Weight 1.32 kg

Supplied with

1x 70mm dished mounting plate  
 2x 70mm neoprene mounting pads  
 1x M6 x 50mm screw, nut & 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

