

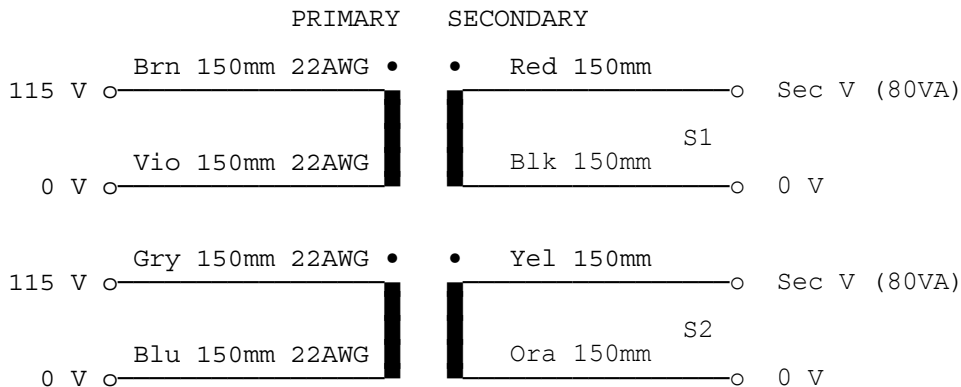


TOROID International Ltd.

Issue. 2
28/11/02

Data Sheet for TA range 160VA 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 5.5 Ohms ± 15% @ 20 deg.C

Magnetising current: 11.0mA approx.@ 230v 50Hz (22mA 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 : 1.12 Watts approx.

Copper loss: 13.9 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.
306-8869	12	6.67	13.0	18 AWG	0.08	TA160/12	TI-69182-ME
306-8870	15	5.33	16.4	18 AWG	0.13	TA160/15	TI-69183-ME
306-8882	18	4.44	19.6	20 AWG	0.17	TA160/18	TI-69184-ME
306-8894	25	3.20	27.0	20 AWG	0.33	TA160/25	TI-69185-ME
306-8900	30	2.67	32.5	20 AWG	0.49	TA160/30	TI-69186-ME
306-8912	55	1.45	59.5	20 AWG	1.59	TA160/55	TI-69191-ME

Approx. dimensions/weight (mounting excluded)

Diameter 105.0 mm* * allow extra 5mm
 Height 47.0 mm* over leadout area
 Weight 1.64 kg

Supplied with

1x 90mm dished mounting plate
 2x 90mm neoprene mounting pads
 1x M6 x 60mm 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

