

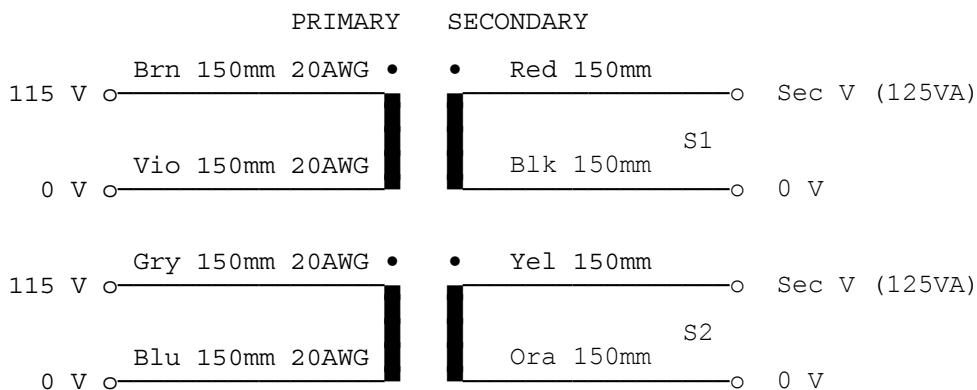


TOROID International Ltd.

Issue. 2
28/11/02

Data Sheet for TA range 250VA 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 3.05 Ohms ± 15% @ 20 deg.C

Magnetising current: 17.0mA approx.@ 230v 50Hz (34mA 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 : 1.62 Watts approx.

Copper loss: 17.4 Watts Approx.

Efficiency : 93.0% typical

Temperature rise: 55°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.
306-8924	12	10.42	12.8	16 AWG	0.04	TA250/12	TI-69242-ME
306-8936	18	6.94	19.2	16 AWG	0.09	TA250/18	TI-69244-ME
306-8948	25	5.00	26.7	16 AWG	0.16	TA250/25	TI-69245-ME
306-8950	30	4.17	31.9	20 AWG	0.24	TA250/30	TI-69246-ME
306-8961	35	3.57	37.2	20 AWG	0.32	TA250/35	TI-69247-ME
306-8973	40	3.13	42.5	20 AWG	0.40	TA250/40	TI-69248-ME
306-8985	45	2.78	48.1	20 AWG	0.51	TA250/45	TI-69249-ME
306-8997	50	2.50	53.3	20 AWG	0.63	TA250/50	TI-69250-ME

Approx. dimensions/weight (mounting excluded)

Diameter 119.5 mm* * allow extra 5mm
 Height 53.5 mm* over leadout area
 Weight 2.38 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

