

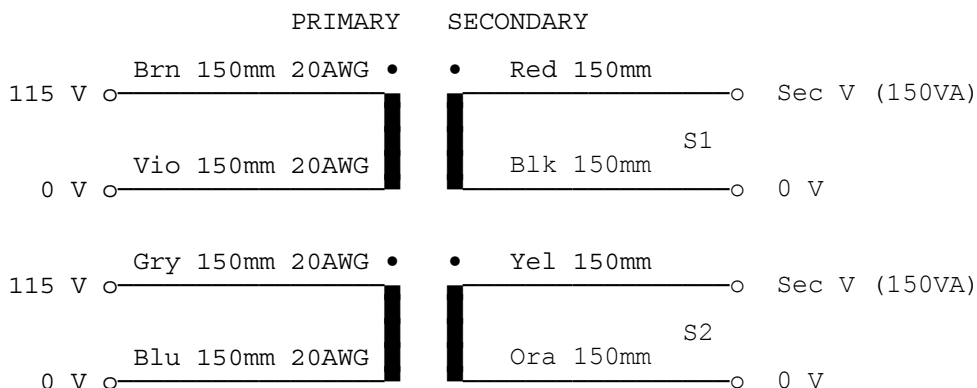


TOROID International Ltd.

Issue. 2
28/11/02

Data Sheet for TA range 300VA 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 2.13 Ohms ± 15% @ 20 deg.C

Magnetising current: 18.0mA approx.@ 230v 50Hz (36mA 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 : 1.80 Watts approx.

Copper loss: 19.8 Watts Approx.

Efficiency : 93.0% typical

Temperature rise: 56°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.
306-9000	25	6.00	26.6	18 AWG	0.14	TA300/25	TI-69265-ME
306-9011	30	5.00	31.9	20 AWG	0.19	TA300/30	TI-69266-ME
306-9023	35	4.29	37.1	20 AWG	0.28	TA300/35	TI-69267-ME
306-9035	55	2.73	58.5	20 AWG	0.69	TA300/55	TI-69271-ME

Approx. dimensions/weight (mounting excluded)

Diameter 125.5 mm* * allow extra 5mm
Height 54.0 mm* over leadout area
Weight 2.83 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

