

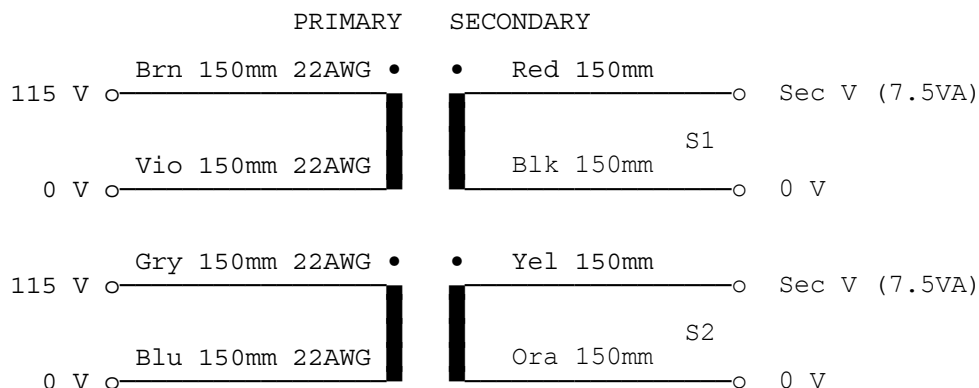


TOROID International Ltd.

Issue. 2  
28/11/02

## Data Sheet for TA range 15VA 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 79.1 Ohms ± 15% @ 20 deg.C

Magnetising current: 2.5mA approx.@ 230v 50Hz (5.0mA 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 : 0.25 Watts approx.

Copper loss: 2.5 Watts Approx.

Efficiency : 84.0% typical

Temperature rise: 27°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.
306-8547	6	1.25	6.9	22 AWG	0.46	TA015/06	TI-69000-ME
306-8559	9	0.83	10.4	22 AWG	1.08	TA015/09	TI-69001-ME
306-8560	12	0.63	13.9	22 AWG	1.76	TA015/12	TI-69002-ME
306-8572	15	0.50	17.3	22 AWG	2.78	TA015/15	TI-69003-ME
306-8584	18	0.42	20.9	22 AWG	4.21	TA015/18	TI-69004-ME

### Approx. dimensions/weight (mounting excluded)

Diameter            64.5 mm\* \* allow extra 5mm  
 Height              30.5 mm\* over leadout area  
 Weight               0.33 kg

### Supplied with

1x 50mm dished mounting plate  
 2x 50mm neoprene mounting pads  
 1x M5 x 40mm 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

