

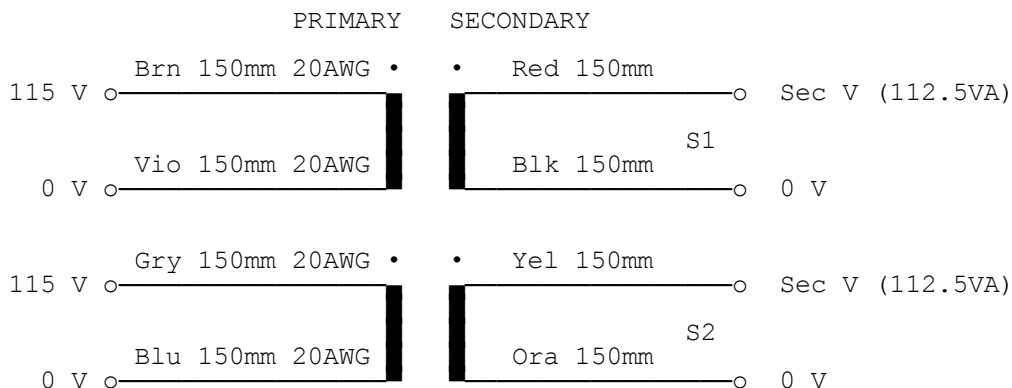


TOROID International Ltd.

Issue. 2  
28/11/02

## Data Sheet for TA range 225VA 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 3.2 Ohms ± 15% @ 20 deg.C

Magnetising current: 14.5mA approx.@ 230v 50Hz (29mA 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 : 1.49 Watts approx.

Copper loss: 16.9 Watts Approx.

Efficiency : 92.0% 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.
433-7347	12	9.38	12.7	16 AWG	0.05	TA225/12	TI-69202-ME
433-7359	15	7.50	16.1	16 AWG	0.08	TA225/15	TI-69203-ME
433-7360	18	6.25	19.2	18 AWG	0.12	TA225/18	TI-69204-ME
433-7372	25	4.50	26.7	18 AWG	0.21	TA225/25	TI-69205-ME
433-7384	30	3.75	32.2	20 AWG	0.32	TA225/30	TI-69206-ME
433-7396	55	2.05	58.7	20 AWG	1.00	TA225/55	TI-69211-ME

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

Diameter            110.0 mm\* \* allow extra 5mm  
 Height                51.0 mm\*    over leadout area  
 Weight                2.20 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

