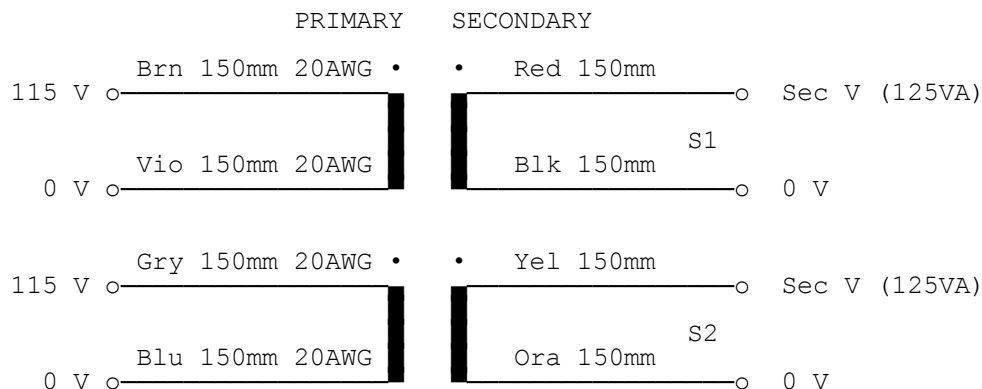


## Data Sheet for TA range 250VA General Purpose Toroidal Transformers.

### 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.
953 0720	12	10.42	12.8	16 AWG	0.04	TA250/12	TI-69242-ME
953 0754	18	6.94	19.2	16 AWG	0.09	TA250/18	TI-69244-ME
953 0770	25	5.00	26.7	16 AWG	0.16	TA250/25	TI-69245-ME
953 0797	30	4.17	31.9	20 AWG	0.24	TA250/30	TI-69246-ME
953 0800	35	3.57	37.2	20 AWG	0.32	TA250/35	TI-69247-ME
953 0835	40	3.13	42.5	20 AWG	0.40	TA250/40	TI-69248-ME
953 0851	45	2.78	48.1	20 AWG	0.51	TA250/45	TI-69249-ME
953 0886	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 : EN61558-1 / EN61558-1/A1 / EN61558-2-4 or EN61558-2-6

UL recognised under family approval E115159 to UL1411,UL60601-1,UL195059

RoHS Compliant