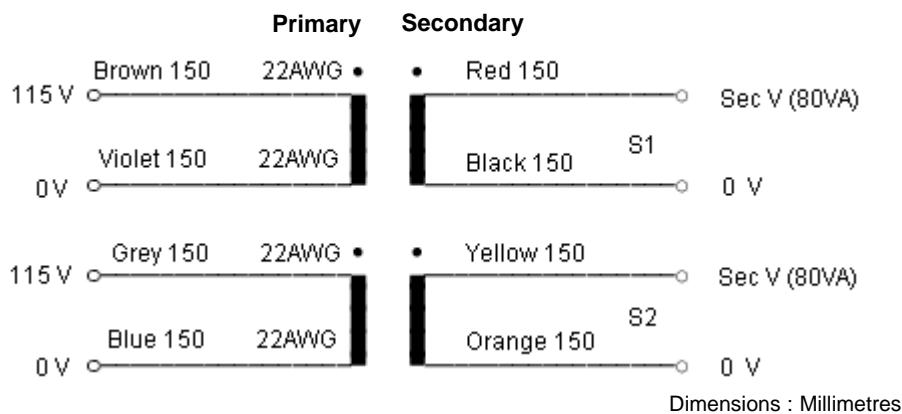


# Toroidal Transformers

## General Purpose



### Schematic:



### Primary:

#### Dual primary winding for connection in series or parallel only

Input voltage : 115 or 230V  $\pm 10\%$ , 50/60Hz.  
DC Resistance :  $2 \times 5.5\Omega \pm 15\%$  at 20°C.  
Magnetising current : 11.0mA approximately at 230V, 50Hz (22mA approximately at 115V, 50Hz).

### Termination:

All leads tri-rated cable rated 600V/105°C VW-1.  
Primary leads double insulated with PVC sleeving for a minimum of 20mm.  
Lead lengths  $\pm 5$ mm approximately all leads ends tinned to 6mm.

Primary/Secondary Leads 0°.

### Losses:

Iron loss : 1.12 watts approximately.  
Copper loss : 13.9 watts approximately.  
Efficiency : 91.0% typical.  
Temperature rise : 54°C approximately.  
Ambient rated : 40°C.

### Temperature Class:

Winding wire : Class H (180°C).  
Insulation system : Class B (130°C).  
Lead out insulation : Class A (105°C).  
Overall : Class A (105°C).

# Toroidal Transformers

## General Purpose



### Approximately Dimensions (Mounting Excluded):

Diameter : 105.0mm (allows extra 5mm over lead out area).  
Height : 47.0mm (allows extra 5mm over lead out area).

### Supplied with:

1 x 90mm dished mounting plate.  
2 x 90mm neoprene mounting pads.  
1 x M6 x 60mm screw, nut and washer.

### Standards:

Designed and manufactured in accordance with: EN60742 (Non short circuit proof), EN60065 (IEC65), EN60950.

### Specifications

Description	On Load Sec (V)	Rated Amps Per Sec (A)	Off Load Sec (V)	Seconds Flex Gauge (AWG)	Sec $\Omega$ at 20°C	Part Number
Transformer, 160VA, 2 x 30V	30	2.67	32.5	20	0.49	TA160/30

**Disclaimer** This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC Multicomp is the registered trademark of the Group. © Premier Farnell plc 2009.

<http://www.farnell.com>  
<http://www.newark.com>  
<http://www.cpc.co.uk>

