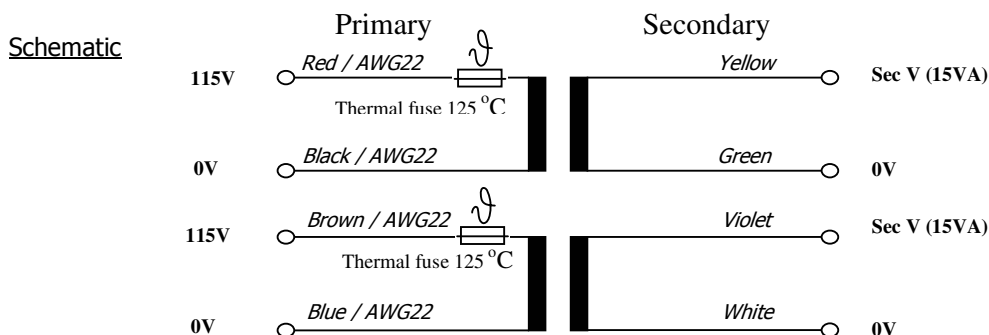


## Data sheet for General Purpose Toroidal Transformers – 30VA Economy Series



### Primary

Dual Primary winding for connection in series or parallel only  
Input voltage : 115V or 230V +/-10% 50/60 Hz  
Dc resistance : 2x 53Ohms +/-20% @ 20 °C  
Magnetising current : 3,7mA @ primary 230V 50Hz  
7,4mA @ primary 115V 50Hz

### Losses

Iron loss : 0,4 Watts  
Copper loss : 5,8Watts  
Efficiency : 83% Typical  
Calculated Temperature rise : 52 °C  
( In open environment )  
Maximum rated ambient : 40 °C

### Termination

All leads UL1569/UL1015 / 105°C  
Primary leads Double insulated with Insulation Class B tubes, minimum length 20mm  
Lead length Tolerance +/-10mm  
all lead ends 6mm tinned  
All Leads exit at the outer top edge,

### Temperature ratings

Winding wire : Class H (180 °C)  
Insulation System : Class B (130 °C)  
Leads insulation : Class A (105 °C)

Degrees of protection : IP00

| Ordering Code   | Art. No.  | Load voltage | No load voltage | Rated current | Secondary wire gauge | Secondary DC resistance Ohms @ 20 °C |
|-----------------|-----------|--------------|-----------------|---------------|----------------------|--------------------------------------|
| TI-044201-ME-ES | ES0030/6  | 2 x 6V       | 2 x 7,1V        | 2 x 2,5A      | AWG18                | 2 x 0,23                             |
| TI-044202-ME-ES | ES0030/9  | 2 x 9V       | 2 x 10,6V       | 2 x 1,7A      | AWG20                | 2 x 0,44                             |
| TI-044203-ME-ES | ES0030/12 | 2 x 12V      | 2 x 14,3V       | 2 x 1,25A     | AWG22                | 2 x 0,92                             |
| TI-044204-ME-ES | ES0030/15 | 2 x 15V      | 2 x 17,8V       | 2 x 1A        | AWG22                | 2 x 1,42                             |
| TI-044205-ME-ES | ES0030/18 | 2 x 18V      | 2 x 21,4V       | 2 x 0,83A     | AWG22                | 2 x 2,1                              |
| TI-044206-ME-ES | ES0030/25 | 2 x 25V      | 2 x 29,6V       | 2 x 0,6A      | AWG22                | 2 x 3,7                              |

### Approx. Dimensions

Diameter : 67mm  
Inner Diameter : 22mm  
Height : 31mm  
Weight : 0,5kg

### Mounting material

1 x Metal washer 50mm  
2 x Rubber pad 50mm  
1 x M5 Screw, nut and 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 and E20244 to UL1411,UL60601-1,UL1950.

### Marking

Model number TI-xxxxxxx ta40/A IP00  
Prim. 2 x 115V 50Hz Fuse XXAT  
Thermal fuse 125 °C  
Sec. 2 x rated voltage and rated current Amp Fuse XXAT  
Art. No.: ES0030/XX



Z125