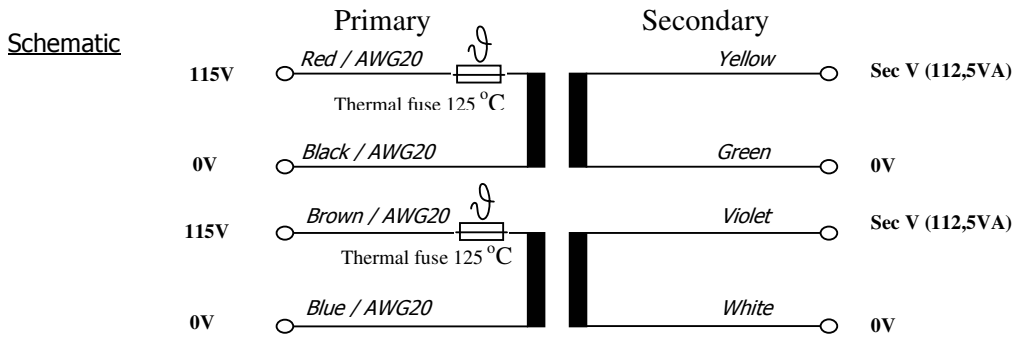


### Data sheet for General Purpose Toroidal Transformers – 225VA Economy Series



#### Primary

Dual Primary winding for connection in series or parallel only.  
 Input voltage : 115V or 230V +/-10% 50/60 Hz  
 Dc resistance : 2 x 2,95Ohms +/-20% @ 20 °C  
 Magnetising current : 15,7mA @ primary 230V 50Hz  
 31,4mA @ primary 115V 50Hz

#### Losses

Iron loss : 1,85 Watts  
 Copper loss : 15,86Watts  
 Efficiency : 93% Typical  
 Calculated Temperature rise : 50 °C  
 ( In open environment )  
 Maximum rated ambient : 40 °C

#### Termination

All leads UL1015 /UL1569 / 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 | Sec. DC resistance Ohms @ 20 °C +/-20% |
|-----------------|-----------|--------------|-----------------|---------------|----------------------|--|
| TI-044232-ME-ES | ES0225/12 | 2 x 12V      | 2 x 12,7V       | 2 x 9,38A     | AWG12                | 2 x 0,05                               |
| TI-044233-ME-ES | ES0225/15 | 2 x 15V      | 2 x 15,9V       | 2 x 7,5A      | AWG14                | 2 x 0,07                               |
| TI-044234-ME-ES | ES0225/18 | 2 x 18V      | 2 x 19,4V       | 2 x 6,25A     | AWG14                | 2 x 0,10                               |
| TI-044235-ME-ES | ES0225/25 | 2 x 25V      | 2 x 26,9V       | 2 x 4,5A      | AWG16                | 2 x 0,2                                |
| TI-044236-ME-ES | ES0225/30 | 2 x 30V      | 2 x 32,1V       | 2 x 3,75A     | AWG16                | 2 x 0,3                                |
| TI-044237-ME-ES | ES0225/55 | 2 x 55V      | 2 x 58,7V       | 2 x 2,05A     | AWG18                | 2 x 0,94                               |

#### Approx. Dimensions

Diameter : 115mm  
 Inner Diameter : 37mm  
 Height : 51mm  
 Weight : 2,25kg

#### Mounting material

1 x Metal washer 90mm  
 2 x Rubber pad 90mm  
 1 x M6 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 E202144 to UL1411,UL60601-1,UL1950.

#### Marking

Model number xxxxxxxx ta40/A IP00  
 Prim. 2 x 115V 50Hz (lead colours) 2x Fuse XXAT  
 Thermal fuse 125 °C  
 Sec. 2 x rated voltage and rated current Amp(Ref. Above table) (wire colours) 2xFuse XXAT  
 Art. No. ES0225/XX

