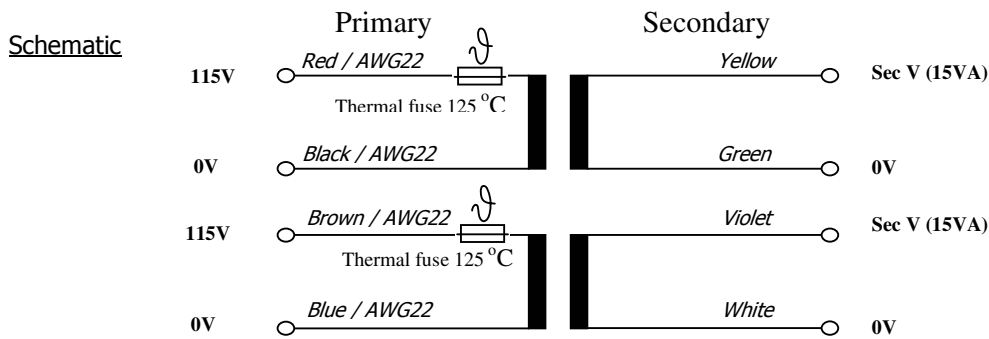


Data sheet for General Purpose Toroidal Transformers – 30VA Economy Series



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