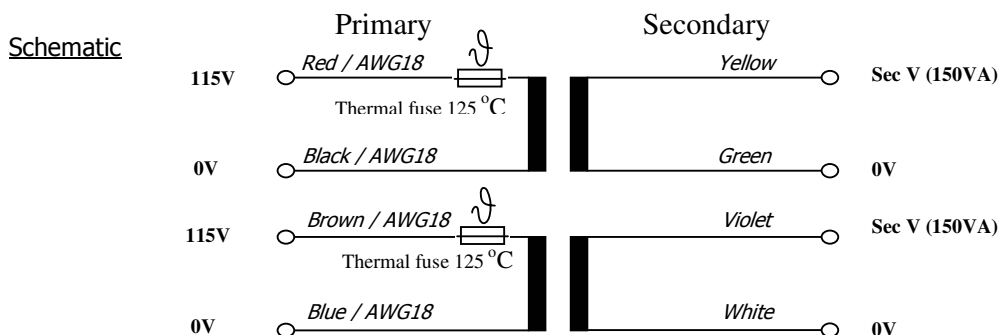


Data sheet for General Purpose Toroidal Transformers – 300VA Economy Series



Primary

Dual Primary winding for connection in series or parallel only.
Input voltage : 115V or 230V +/-10% 50/60 Hz
Dc resistance : 2 x 2,14Ohms +/-20% @ 20 °C
Magnetising current : 18,7mA @ primary 230V 50Hz
37,4mA @ primary 115V 50Hz

Losses

Iron loss : 2,23 Watts
Copper loss : 17,45Watts
Efficiency : 94% Typical
Calculated Temperature rise : 50 °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	Sec. DC resistance Ohms @ 20 °C +/-20%
TI-044238-ME-ES	ES0300/25	2 x 25V	2 x 26,4V	2 x 6A	AWG14	2 x 0,11
TI-044239-ME-ES	ES0300/30	2 x 30V	2 x 31,6V	2 x 5A	AWG14	2 x 0,15
TI-044240-ME-ES	ES0300/35	2 x 35V	2 x 37,1V	2 x 4,3A	AWG16	2 x 0,21
TI-044241-ME-ES	ES0300/55	2 x 55V	2 x 58V	2 x 2,73A	AWG18	2 x 0,50

Approx. Dimensions

Diameter : 118mm
Inner Diameter : 35mm
Height : 58mm
Weight : 2,90kg

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 E20244 to UL1411,UL60601-1,UL1950.

Marking

Model number xxxxxxxx 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. ES0300/XX

