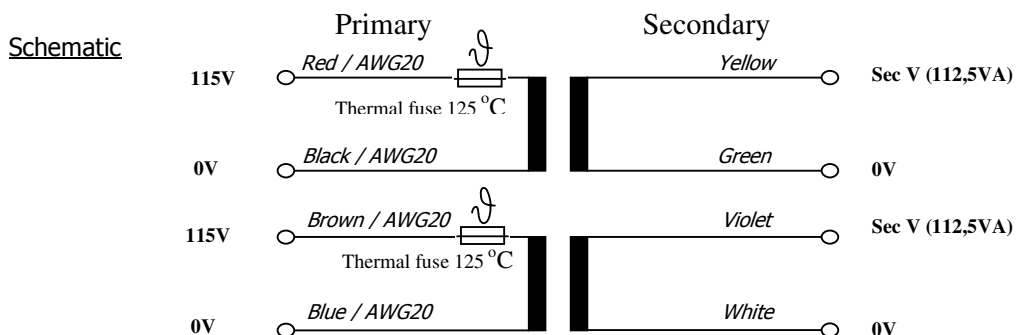


Data sheet for General Purpose Toroidal Transformers – 225VA Economy Series



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

