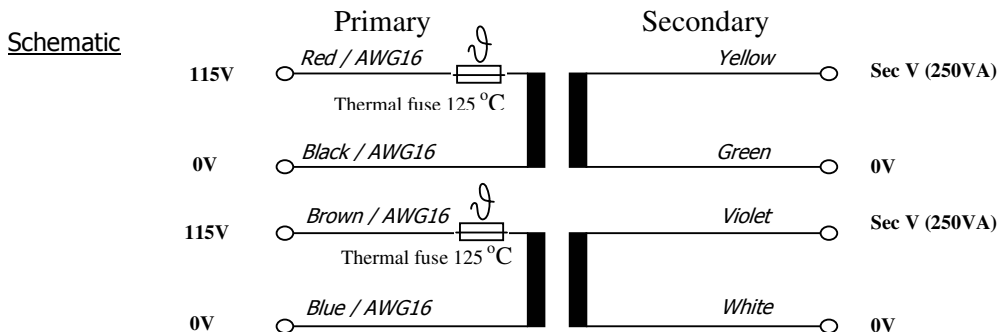


Data sheet for General Purpose Toroidal Transformers – 500VA Economy Series

Primary

Dual Primary winding for connection in series or parallel only.
 Input voltage : 115V or 230V +/-10% 50/60 Hz
 Dc resistance : 2 x 1,03Ohms +/-20% @ 20 °C
 Magnetising current : 30mA @ primary 230V 50Hz
 60mA @ primary 115V 50Hz

Losses

Iron loss : 3,53 Watts
 Copper loss : 23Watts
 Efficiency : 95% 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-044242-ME-ES	ES0500/25	2 x 25V	2 x 26V	2 x 10A	AWG12	2 x 0,06
TI-044243-ME-ES	ES0500/30	2 x 30V	2 x 31,36V	2 x 8,33A	AWG12	2 x 0,07
TI-044244-ME-ES	ES0500/35	2 x 35V	2 x 36,7V	2 x 7,14A	AWG14	2 x 0,11
TI-044245-ME-ES	ES0500/40	2 x 40V	2 x 41,6V	2 x 6,25A	AWG14	2 x 0,14
TI-044246-ME-ES	ES0500/45	2 x 45V	2 x 47V	2 x 5,56A	AWG14	2 x 0,17
TI-044247-ME-ES	ES0500/50	2 x 50V	2 x 52,4V	2 x 5A	AWG16	2 x 0,22
TI-044248-ME-ES	ES0500/55	2 x 55V	2 x 57,3V	2 x 4,55A	AWG16	2 x 0,24

Approx. Dimensions

Diameter : 145mm
 Inner Diameter : 43mm
 Height : 60mm
 Weight : 4,2kg

Mounting material

1 x Metal washer 112mm
 2 x Rubber pad 120mm
 1 x M8 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. ES0500/XX



Z125