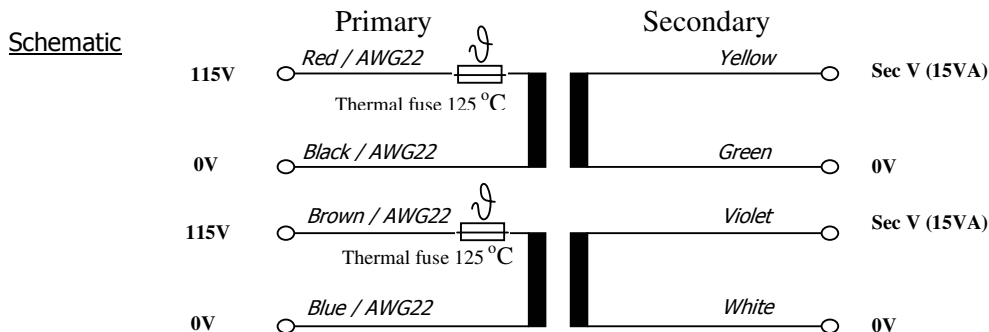


Data sheet for General Purpose Toroidal Transformers – 30VA Encapsulated Series



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

Termination

All leads UL1015 or UL1569 rated 300V / 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 close to the outer top edge,

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

Temperature ratings

Winding wire : Class H (180 °C)
 Insulation System : Class B (130 °C)
 Leads insulation : Class A (105 °C)
 Encapsulation : Class A (105 °C)
 Overall : Class A
 Degrees of protection : IP20

Distributor part number	Art. No.	Load voltage	No load voltage	Rated current	Secondary wire gauge	Secondary DC resistance Ohms @ 20 °C
TI-044201-ME-EC	EC0030/6	2 x 6V	2 x 7,1V	2 x 2,5A	AWG18	2 x 0,23
TI-044202-ME-EC	EC0030/9	2 x 9V	2 x 10,6V	2 x 1,7A	AWG20	2 x 0,44
TI-044203-ME-EC	EC0030/12	2 x 12V	2 x 14,3V	2 x 1,25A	AWG22	2 x 0,92
TI-044204-ME-EC	EC0030/15	2 x 15V	2 x 17,8V	2 x 1A	AWG22	2 x 1,42
TI-044205-ME-EC	EC0030/18	2 x 18V	2 x 21,4V	2 x 0,83A	AWG22	2 x 2,1
TI-044206-ME-EC	EC0030/25	2 x 25V	2 x 29,6V	2 x 0,6A	AWG22	2 x 3,7

Approx. Dimensions

Diameter : 73mm
 Height : 35,4mm
 Centre Hole suitable for M4 screw.
 Weight : 0,7kg

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 to UL1411,UL60601-1,UL1950.

Marking

Model number xxxxxxxx ta40/A IP20
 Prim. 2 x 115V 50Hz (lead colours) Fuse XXAT
 Thermal fuse 125 °C
 Sec. 2 x rated voltage and rated current Amp (ref. Above table) Fuse XXAT
 Art. No. EC0030/XX

