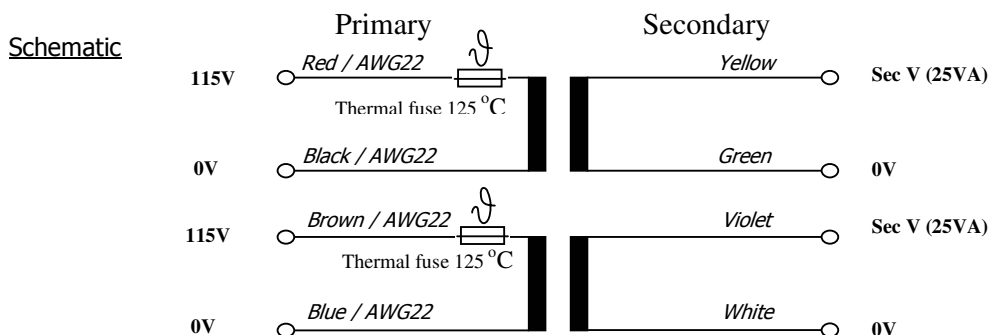


Data sheet for General Purpose Toroidal Transformers – 50VA Encapsulated Series



Primary

Dual Primary winding for connection in series or parallel only
Input voltage : 115V or 230V +/-10% 50/60 Hz
Dc resistance : 2x 290hms +/-20% @ 20 °C
Magnetising current : 4,3mA @ primary 230V 50Hz
8,6mA @ 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 : 0,512 Watts
Copper loss : 7,6Watts
Efficiency : 85% 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

Ordering code	Art No.	Load voltage	No load voltage	Rated current	Secondary wire gauge	Sec. DC resistance Ohms @ 20 °C +/-20%
TI-044207-ME-EC	EC0050/6	2 x 6V	2 x 6,9V	2 x 4,17A	AWG16	2 x 0,10
TI-044208-ME-EC	EC0050/9	2 x 9V	2 x 10,3V	2 x 2,78A	AWG18	2 x 0,21
TI-044209-ME-EC	EC0050/12	2 x 12V	2 x 13,7V	2 x 2,08A	AWG20	2 x 0,38
TI-044210-ME-EC	EC0050/15	2 x 15V	2 x 17,1V	2 x 1,67A	AWG20	2 x 0,55
TI-044211-ME-EC	EC0050/18	2 x 18V	2 x 20,4V	2 x 1,39A	AWG20	2 x 0,73
TI-044212-ME-EC	EC0050/25	2 x 25V	2 x 28,6V	2 x 1A	AWG22	2 x 1,61

Approx. Dimensions

Diameter : 82mm
Height : 39mm
Center Hole suitable for M4 screw.
Weight : 1,0kg

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. EC0050/XX

