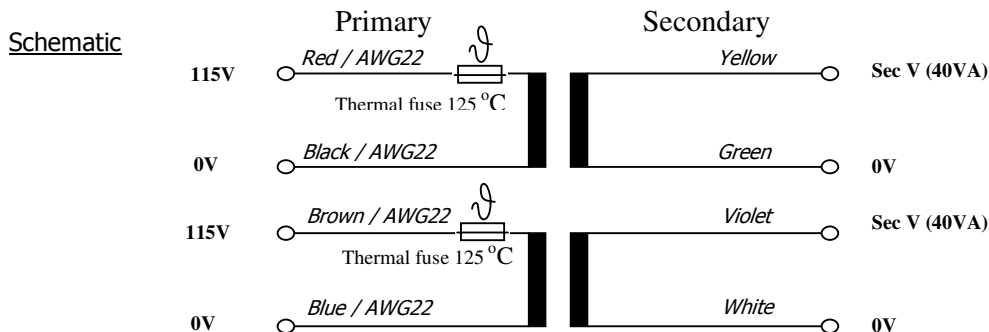


Data sheet for General Purpose Toroidal Transformers – 80VA Encapsulated Series



Primary

Dual Primary winding for connection in series or parallel only
Input voltage : 115V or 230V +/-10% 50/60 Hz
Dc resistance : 2x12,35Ohms +/-20% @ 20 °C
Magnetising current : 6,6mA @ primary 230V 50Hz
13,2mA @ 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 : 0,781 Watts
Copper loss : 8,95Watts
Efficiency : 89% Typical
Calculated Temperature rise : 50 °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-044214-ME-EC	EC0080/9	2 x 9V	2 x 10V	2 x 4,44A	AWG16	2 x 0,11
TI-044215-ME-EC	EC0080/12	2 x 12V	2 x 13,4V	2 x 3,33A	AWG18	2 x 0,21
TI-044216-ME-EC	EC0080/15	2 x 15V	2 x 16,7V	2 x 2,67A	AWG18	2 x 0,32
TI-044217-ME-EC	EC0080/18	2 x 18V	2 x 20,1V	2 x 2,22A	AWG18	2 x 0,48
TI-044218-ME-EC	EC0080/25	2 x 25V	2 x 27,6V	2 x 1,6A	AWG20	2 x 0,85
TI-044219-ME-EC	EC0080/55	2 x 55V	2 x 61,3V	2 x ,73A	AWG22	2 x 4,6

Approx. Dimensions

Diameter : 88mm
Height : 42mm
Center hole suitable for M4
Weight : 1,2kg

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. EC0080/XX

