

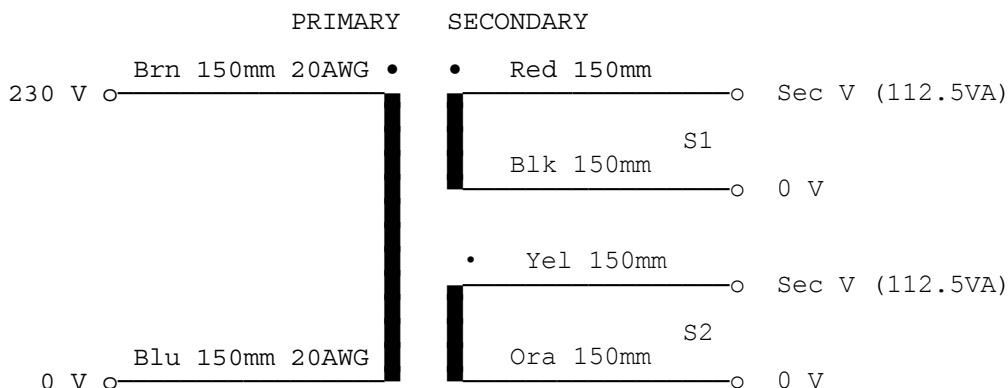


TOROID International Ltd.

Issue. 1
28/11/02

Data Sheet for FG range 225VA General Purpose Toroidal Transformers.

Schematic



Primary

Input Voltage: 230v ± 10% 50/60Hz.
DC resistance: 6.3 Ohms ± 15% @ 20 deg.C
Magnetising current: 14.5mA approx.@ 230v 50Hz.

Termination

All leads Tri-Rated UL1015 style cable rated 600v /105°C VW-1
Primary leads double insulated with PVC sleeving for a minimum of 20mm.
Lead lengths ± 5mm approx. All leads ends tinned to 6 mm.

Pri/Sec leads 0°

Losses

Iron loss : 1.49 Watts approx.
Copper loss: 16.9 Watts Approx.
Efficiency : 92.0% typical
Temperature rise: 56°C approx.
Ambient rated: 40°C

Temperature Class

Winding wire: Class H (180°C)
Insulation system: Class B (130°C)
Leadout insulation: Class A (105°C)
Overall: Class A (105°C)

Farnell Part No.	On Load Sec V	Rated amps per Sec	Off load Sec V	Sec Flex Gauge	Sec Ohms @ 20°C.	TI Part No.	UL Part No.
433-5296	12	9.38	12.7	16 AWG	0.05	FG225/12	TI-027275-ME
433-5302	15	7.50	16.1	16 AWG	0.08	FG225/15	TI-027276-ME
433-5314	18	6.25	19.2	18 AWG	0.12	FG225/18	TI-027277-ME
433-5326	25	4.50	26.7	18 AWG	0.21	FG225/25	TI-027278-ME
433-5338	30	3.75	32.2	20 AWG	0.32	FG225/30	TI-027279-ME
433-5340	55	2.05	58.7	20 AWG	1.00	FG225/55	TI-027280-ME

Approx. dimensions/weight (mounting excluded)

Diameter 110.0 mm* * allow extra 5mm
Height 51.0 mm* over leadout area
Weight 2.20 kg

Supplied with

1x 90mm dished mounting plate
2x 90mm neoprene mounting pads
1x M6 x 60mm screw, nut & washer

Standards

Designed and manufactured in accordance with:
EN60742 (Non short circuit proof), EN60065 (IEC65), EN60950.

UL recognised to UL1411, 2601-1 and UL1950 under family approval file E115159

