

Transformer

Toroidal



RoHS
Compliant

Specifications:

Input Voltage : 230V $\pm$ 10% 50/60Hz.
DC resistance : 38.1 Ω $\pm$ 15% @ 20°C
Magnetising current : 5mA approx.@ 230V 50Hz

Losses

Iron loss : 0.519 Watts approx.
Copper loss : 5.92 Watts approx.
Efficiency : 89% typical
Temperature rise : 38°C approx.
Ambient rated : 40°C

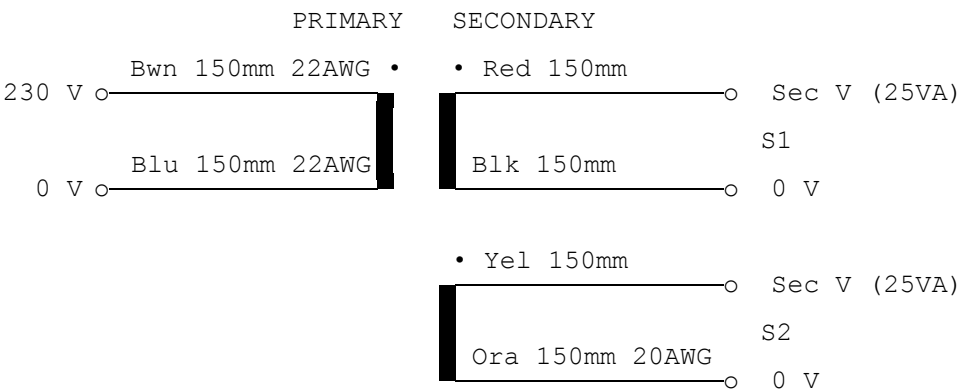
Temperature Class

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

Dimensions of the actual parts

Outer Diameter : 87.3mm
Height : 41.7mm
Weight : 0.84kg

Schematic



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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 ± 5 mm approx. All leads ends tinned to 6mm.

Pri/Sec leads 0°

Part Number Table:

Description	On Load Sec V	Rated amps per Sec	Off load Sec V	Sec Flex Gauge	Sec Ohms @ 20°C.	Part Number
Transformer, 50VA, 2 × 9V	9	2.78	10.2	20AWG	0.24	MCFE050/09
Transformer, 50VA, 2 × 12V	12	2.08	13.4	22AWG	0.41	MCFE050/12
Transformer Encaps. 50VA 2 × 15V	15	1.67	16.8	22AWG	0.64	MCFE050/15
Transformer, 50VA, 2 × 18V	18	1.39	20.2	22AWG	0.97	MCFE050/18
Transformer, 50VA, 2 × 25V	25	1	27.8	22AWG	1.72	MCFE050/25

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