Transformer
Toroidal

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RoHS Compliant

Specifications:

Input Voltage	: 230V ±10% 50/60Hz
DC Resistance	: 0.57Ω ±15% @ 20°C
Magnetising Current	: 9mA approx.@ 230V 50Hz

Losses

Iron Loss	: 0.89 Watts approx.
Copper Loss	: 9.3 Watts approx.
Efficiency	: 92% typical
Temperature Rise	: 40ºC approx.
Ambient Rated	: 40ºC

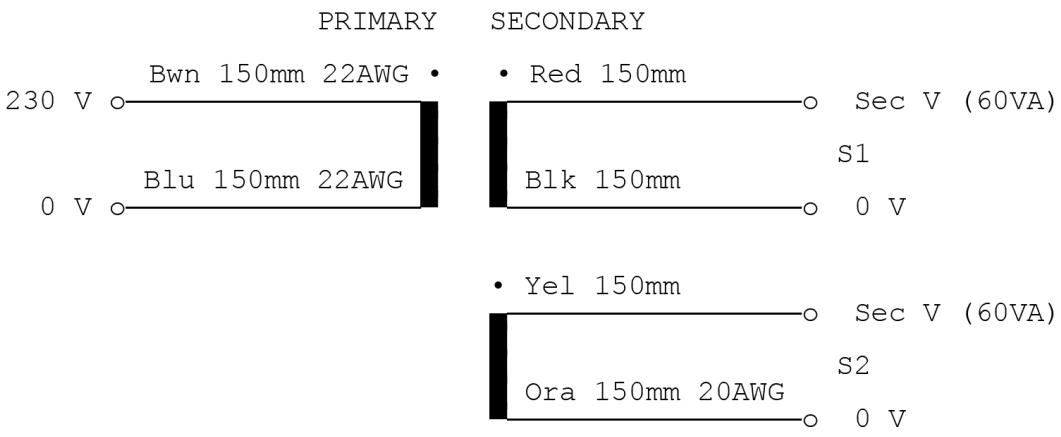
Temperature Class

Winding Wire	: Class H (180ºC)
Insulation System	: Class B (130ºC)
Leadout Insulation	: Class A (105ºC)
Overall	: Class A (105ºC)

Dimensions of the actual parts

Outer Diameter	: 104.2mm
Height	: 52mm
Weight	: 1.62 kg

Schematic



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Termination

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

Pri/Sec leads O°

Part Number Table

Description	On Load Sec V	Rated amps per Sec	Off load Sec V	Sec Flex Gauge	Sec Ohms @ 20ºC.	Part No.
Transformer, 120VA, 2 × 12V	12	5	12.9	18AWG	0.11	MCFE120/12
Transformer Encaps. 120VA 2 × 15	15	4	16.1	20AWG	0.15	MCFE120/15
Transformer Encaps. 120VA 2 × 18	18	3.33	19.3	20AWG	0.23	MCFE120/18
Transformer, 120VA, 2 × 25V	25	2.4	26.9	20AWG	0.44	MCFE120/25

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