

Transformer Toroidal



RoHS
Compliant

Specifications:

Input Voltage : 230V \pm 10% 50/60Hz.
 DC Resistance : 87 Ω \pm 15% @ 20°C
 Magnetising Current : 4mA approx. @ 230V 50Hz

Losses

Iron loss : 0.39 Watts approx.
 Copper loss : 4.3 Watts Approx.
 Efficiency : 86% typical
 Temperature rise : 34°C approx.
 Ambient rated : 40°C

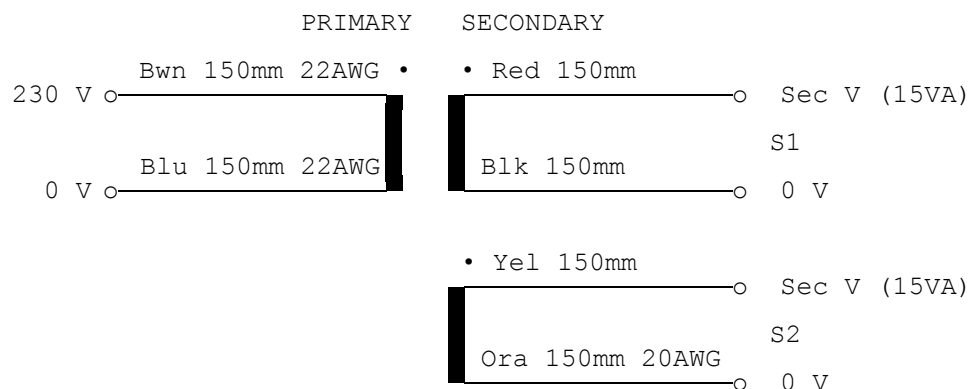
Temperature Class

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

Approx. Dimensions/weight (mounting excluded)

Diameter : 72.5mm* allow extra 5mm
 Height : 32mm* over leadout area
 Weight : 0.62kg

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 \pm 5mm 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, 30VA, 2 × 6V | 6 | 2.5 | 6.9 | 22AWG | 0.19 | MCFE030/06 |
| Transformer, 30VA, 2 × 9V | 9 | 1.67 | 10.3 | | 0.41 | MCFE030/09 |
| Transformer, 30VA, 2 × 12V | 12 | 1.25 | 13.7 | | 0.76 | MCFE030/12 |
| Transformer, 30VA, 2 × 15V | 15 | 1 | 17.1 | | 1.2 | MCFE030/15 |
| Transformer, 30VA, 2 × 18V | 18 | 0.83 | 20.6 | | 1.79 | MCFE030/18 |
| Transformer, 30VA, 2 × 25V | 25 | 0.6 | 28.4 | | 3.08 | MCFE030/25 |

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