

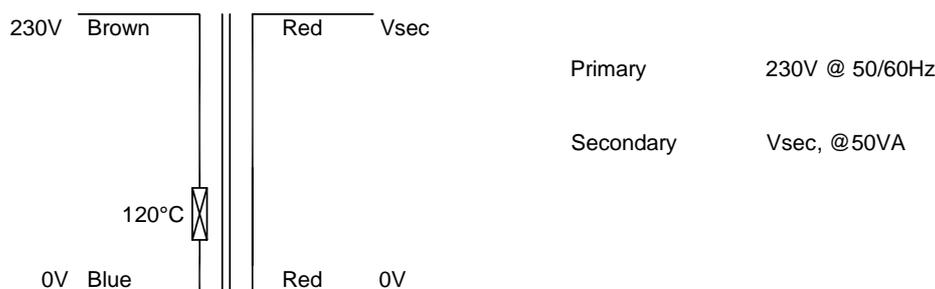


# Datasheet

ENGLISH

## Toroidal Transformer

Open Style,LVL,with leads, 230V Primary,50VA



| RS Code No. | RS Part No. | Full Load Vsec [V] | Rated Current per Sec [A] | No Load Vsec [V] | DC resistance [Ohms] @ 25° C |
|-------------|-------------|--------------------|---------------------------|------------------|------------------------------|
| 671-9189    | 81604-P1S1  | 11.8               | 4.237                     | 13.51            | 0.2142                       |

### Primary Winding

Input Voltage Range : 207V - 253V (230V±10 %) @ 50/60Hz  
DC Resistance @25°C = Approx 48 Ohms  
Magnetising Current @ 230V = Approx 65.0mA  
Magnetising Current @ 253V = Approx 130.0mA

### Losses

Iron Losses 3.5 Watts approx  
Copper Losses 8.0 Watts approx

### Temperature Class

Winding Wire (Primary & Secondary). Class H (180° C)  
Insulation between input and output. Class B (130° C)  
Connection lead insulation. Class A (105° C)

### Standards

Designed,manufactured and tested according to the requirements of:  
EN61558 Class II, Non-inherently Short-Circuit Proof  
VDE0570 Class II  
IEC61558 Class II  
UL506

### Physical Data

Approximation Dimension Diameter 80mm\*  
Height 33mm  
\* Measured away from leadout bulge, allow extra 4mm at leads  
Approximate weight 0.72 Kg

### Terminations

**Primary** Flexible equipment wire, 105°C PVC, 16/0.20 (0.5mm <sup>2</sup>)  
Double Insulated over entire length with PVC sleeves  
150mm Long, with 10mm stripped ends.

**Secondary** Solid copper conductors (extension of winding wire)  
insulated over their entire length with PVC tubing  
150mm Long, with 10mm tinned ends.