

**ENGLISH**

# Datasheet

## 2 Output Toroidal Transformer, 160VA, 25 V ac

RS Stock number [671-9025](#)

Open Style, with leads, 230V Primary, 160VA



RS Code No.	RS Part No.	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC resistance [Ohms] @ 25° C
671-9019	81551-P1S2	2x12	6.667	2 x 12.99	2 x 0.0819
671-9012	81552-P1S2	2x15	5.333	2 x 16.39	2 x 0.1377
671-9016	81553-P1S2	2x18	4.444	2 x 19.58	2 x 0.1842
671-9025	81554-P1S2	2x25	3.200	2 x 27.18	2 x 0.3503
671-9028	81555-P1S2	2x30	2.667	2 x 32.57	2 x 0.5257
671-9022	81556-P1S2	2x55	1.455	2 x 59.70	2 x 1.7576

### Primary Winding

Input Voltage : 230V±10% @ 50/60Hz  
DC Resistance @25°C = 10 Ohms (approx)  
Magnetising Current @ 230V = 120.0mA (approx)  
Magnetising Current @ 253V = 300.0mA (approx)

### Losses

Iron Losses 7.0 Watts (approx)  
Copper Losses 18.80 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-Short-Circuit Proof  
VDE0570 Class II  
IEC61558 Class II  
UL506

### Physical Data

Approximation Dimension Diameter 109mm\*  
Height 46mm  
\* Measured away from leadout bulge, allow extra 4mm at leads  
Approximate weight 1.74 Kg

### Terminations

**Primary** Solid Copper Conductors (Extension of winding wire)  
double Insulated over their entire length with PVC tubing  
150mm Long, with 10mm tinned ends.

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