

Professionally approved products.

## Datasheet

### 2 Output Toroidal Transformer, 50VA, 6 V ac

RS Stock number [671-9088](#)

Open Style, with leads, 2x115V Primary, 50VA

115V	Brown	Red	Vsec	Primary	2x115V @ 50/60Hz
0V	Blue	Black	0V		
115V	Green	Yellow	Vsec	Secondary	2 x Vsec, @ 25VA Each Suitable for Series/Parallel Connection
0V	Violet	Orange	0V		

RS Code No.	RS Part No.	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC resistance [Ohms] @ 25° C
671-9088	81574-P2S2	2x6	4.167	2 x 6.82	2 x 0.0978
671-9097	81575-P2S2	2x9	2.778	2 x 10.29	2 x 0.2029
671-9090	81576-P2S2	2x12	2.083	2 x 13.63	2 x 0.3783
671-9094	81577-P2S2	2x15	1.667	2 x 17.10	2 x 0.6079
671-9104	81578-P2S2	2x18	1.389	2 x 20.57	2 x 0.8205
671-9107	81579-P2S2	2x25	1.000	2 x 28.50	2 x 1.6018
671-9101	81580-P2S2	2x55	0.455	2 x 62.70	2 x 7.8847

#### Primary Winding

Input Voltage : 2 x 115V±10% @ 50/60Hz  
 DC Resistance @25°C = 2 x 25 Ohms (approx)  
 Magnetising Current @ 115V = 150.0mA (approx)  
 Magnetising Current @ 126.5V = 350.0mA (approx)

#### Losses

Iron Losses 4.50 Watts (approx)  
 Copper Losses 8.90 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 80mm\*  
 Height 33mm  
 \* Measured away from leadout bulge, allow extra 4mm at leads  
 Approximate weight 0.74 Kg

#### Terminations

**Primary** Flexible equipment wire, 105°C PVC, 7/0.20 (0.22mm<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.