

**ENGLISH**

# Datasheet

## 2 Output Toroidal Transformer, 225VA, 30 V ac

RS Stock number [671-9182](#)

Open Style, with leads, 2x115V Primary, 225VA

115V	Brown	Red	Vsec	Primary	2x115V @ 50/60Hz
0V	Blue	Black	0V	Secondary	2 x Vsec, @ 112.5VA Each
115V	Green	Yellow	Vsec		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
671-9167	81598-P2S2	2x12	9.375	2 x 13.07	2 x 0.0515
671-9176	81599-P2S2	2x15	7.500	2 x 16.22	2 x 0.0791
671-9179	81600-P2S2	2x18	6.250	2 x 19.39	2 x 0.1062
671-9173	81601-P2S2	2x25	4.500	2 x 27.12	2 x 0.2155
671-9182	81602-P2S2	2x30	3.750	2 x 32.44	2 x 0.3287
671-9185	81603-P2S2	2x55	2.045	2 x 59.32	2 x 1.0408

### Primary Winding

Input Voltage : 2 x 115V±10% @ 50/60Hz  
DC Resistance @25°C = 2 x 4.0 Ohms (approx)  
Magnetising Current @ 115V = 350.0mA (approx)  
Magnetising Current @ 126.5V = 700.0mA (approx)

### Losses

Iron Losses 9.00 Watts (approx)  
Copper Losses 27.0 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-Short-Circuit Proof  
VDE0570 Class II  
IEC61558 Class II  
UL506

### Physical Data

Approximation Dimension Diameter 120mm\*  
Height 50mm  
\* Measured away from leadout bulge, allow extra 4mm at leads  
Approximate weight 2.290 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.