

Datasheet

**RS Pro 2 Output Toroidal Transformer, 160VA, 2 x 12V ac**

RS Stock No: **671-9145**



## Product Details

RS Pro 2 output toroidal transformer is a small size and low weight with traditional stacked laminated transformers. It has both primary and twin secondary windings connected in series or parallel. This transformer has primary voltage rating of 115 V ac, 230 V ac, secondary voltage rating of 2 x 12 V ac and power rating of 160 VA. Toroidal transformer meets EN 61558, IEC 742, UL 506, UL 1411, UL 478 and CE certified.

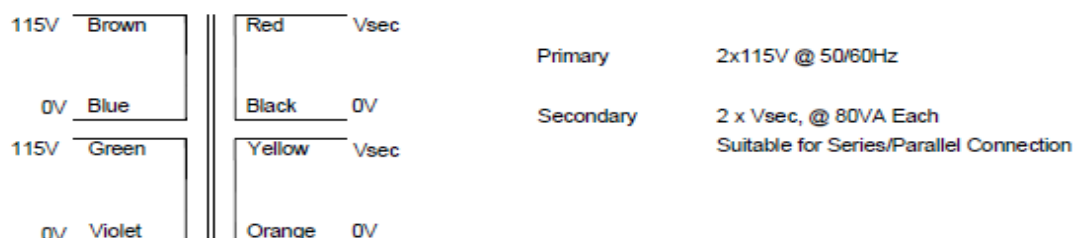
## Features and Benefits

- Low induced noise (hum)
- Low level of radiated magnetic field
- Flexible leadouts for ease of installation
- 100% electrical and flash testing

**Specifications:**

Diameter	109 mm
Dimensions	109 (dia.) x 46 mm
Height	46 mm
Maximum Operating Frequency	60 Hz
Minimum Operating Frequency	50 Hz
Number of Outputs	2
Power Rating	160 VA
Primary Voltage Rating	115 V ac, 230 V ac
Secondary Current	6.667 A
Secondary Voltage Rating	2 x 12 V ac
Termination Type	Copper Conductor
Weight	1.74 kg
Construction	Open
Standards Met	UL 506, IEC 61558 Class II, EN 61558 Class II, VDE0570 Class II, RoHS Compliant

**Open Style, with leads, 2x115V 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
671-9145	81592-P2S2	2x12	6.667	2 x 12.99	2 x 0.0819
671-9154	81593-P2S2	2x15	5.333	2 x 16.39	2 x 0.1377
671-9157	81594-P2S2	2x18	4.444	2 x 19.58	2 x 0.1842
671-9151	81595-P2S2	2x25	3.200	2 x 27.18	2 x 0.3503
671-9160	81596-P2S2	2x30	2.667	2 x 32.57	2 x 0.5257
671-9163	81597-P2S2	2x55	1.455	2 x 59.70	2 x 1.7576

**Primary Winding**

Input Voltage : 2 x 115V±10% @ 50/60Hz  
 DC Resistance @25°C = 2 x 5.0 Ohms (approx)  
 Magnetising Current @ 115V = 240.0mA (approx)  
 Magnetising Current @ 126.5V = 600.0mA (approx)

**Losses**

Iron Losses 7.00 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.