

Datasheet

RS Pro 2 Output Toroidal Transformer, 225VA, 2 x 55V ac

RS Stock No: **671-9185**



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 55 V ac and power rating of 225 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	120 mm
Dimensions	120 (dia.) x 50 mm
Height	50 mm
Maximum Operating Frequency	60 Hz
Minimum Operating Frequency	50 Hz
Number of Outputs	2
Power Rating	225 VA
Primary Voltage Rating	115 V ac, 230 V ac
Secondary Current	2.045 A
Secondary Voltage Rating	2 x 55 V ac
Termination Type	Copper Conductor
Weight	2.29 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, 225VA

115V	Brown	Red	Vsec	Primary	2x115V @ 50/60Hz
0V	Blue	Black	0V		
115V	Green	Yellow	Vsec	Secondary	2 x Vsec, @ 112.5VA 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
671-9167	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.