

Datasheet

RS Pro 2 Output Toroidal Transformer, 80VA, 2 x 55V acRS Stock No: **671-8993****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 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 80 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	93 mm
Dimensions	93 (dia.) x 38 mm
Height	38 mm
Maximum Operating Frequency	60 Hz
Minimum Operating Frequency	50 Hz
Number of Outputs	2
Power Rating	80 VA
Primary Voltage Rating	230 V ac
Secondary Current	0.727 A
Secondary Voltage Rating	2 x 55 V ac
Termination Type	Copper Conductor
Weight	1.04 kg
Construction	Open
Standards Met	UL 506, IEC 61558 Class II, EN 61558 Class II, VDE0570 Class II, RoHS Compliant

Open Style, with leads, 230V Primary, 80VA

230V	Brown	Red	Vsec	Primary	230V @ 50/60Hz
		Black	0V	Secondary	2 x Vsec, @ 40VA Each
		Yellow	Vsec		Suitable for Series/Parallel Connection
0V	Blue	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
671-8974	81540-P1S2	2x9	4.444	2 x 10.20	2 x 0.1351
671-8978	81541-P1S2	2x12	3.333	2 x 13.64	2 x 0.2488
671-8987	81542-P1S2	2x15	2.667	2 x 17.08	2 x 0.3954
671-8980	81543-P1S2	2x18	2.222	2 x 20.40	2 x 0.5281
671-8984	81544-P1S2	2x25	1.600	2 x 28.30	2 x 1.0485
671-8993	81545-P1S2	2x55	0.7273	2 x 62.20	2 x 5.2056

Primary Winding

Input Voltage : 230V±10 % @ 50/60Hz
 DC Resistance @25°C = 28 Ohms (approx)
 Magnetising Current @ 230V = 85.0mA (approx)
 Magnetising Current @ 253V = 225.0mA(approx)

Losses

Iron Losses 5.50 Watts (approx)
 Copper Losses 13.9 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
 UL508

Physical Data

Approximation Dimension Diameter 93mm*
 Height 38mm
 * Measured away from leadout bulge, allow extra 4mm at leads
 Approximate weight 1.04 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.