

Datasheet

RS Pro 2 Output Toroidal Transformer, 30VA, 2 x 12V ac

RS Stock No: **671-8934**



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 12 V ac and power rating of 30 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	70 mm
Dimensions	70 (dia.) x 32 mm
Height	32 mm
Maximum Operating Frequency	60 Hz
Minimum Operating Frequency	50 Hz
Number of Outputs	2
Power Rating	30 VA
Primary Voltage Rating	230 V ac
Secondary Current	1.25 A
Secondary Voltage Rating	2 x 12 V ac
Termination Type	Copper Conductor
Weight	503 g
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, 30VA



RS Code No.	RS Part No.	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC resistance [Ohms] @ 25° C
671-8937	81528-P1S2	2x6	2.500	2 x 7.19	2 x 0.2309
671-8930	81529-P1S2	2x9	1.667	2 x 10.74	2 x 0.5466
671-8934	81530-P1S2	2x12	1.250	2 x 14.29	2 x 0.9119
671-8943	81531-P1S2	2x15	1.000	2 x 17.85	2 x 1.4379
671-8946	81532-P1S2	2x18	0.833	2 x 21.40	2 x 2.1834
671-8940	81533-P1S2	2x25	0.600	2 x 29.74	2 x 4.2295

Primary Winding

Input Voltage : 230V±10% @ 50/60Hz
 DC Resistance @25°C = 92 Ohms (approx)
 Magnetising Current @ 230V = 50.0mA (approx)
 Magnetising Current @ 253V = 110.0mA (approx)

Losses

Iron Losses 3.50 Watts (approx)
 Copper Losses 7.00 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:
 EN6 1558 Class II, Non-Short-Circuit Proof
 VDE0570 Class II
 IEC61558 Class II
 UL506

Physical Data

Approximation Dimension Diameter 70mm*
 Height 32mm
 Approximate weight 0.503 Kg
 * Measured away from leadout bulge, allow extra 4mm at leads

Terminations

Primary Flexible equipment wire, 105°C PVC, 7/0.20 (0.22mm²)
 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.