

ENGLISH

Datasheet

RS Pro 2 Output Toroidal Transformer, 30VA, 2 x 6V ac

RS Stock No: 671-8937



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 6 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:

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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	2.5 A	
Secondary Voltage Rating	2 x 6 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	



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Open Style, with leads, 230V Primary, 30VA

230V Brown Red Vsec Black Yellow Vsec 0V Blue Orange

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

Secondary

230V @ 50/60Hz

2 x Vsec, @ 15VA Each

Suitable for Series/Parallel Connection

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

3.50 Watts (approx) Iron Losses 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) Class A (105° C) Connection lead insulation.

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 70mm*

Height 32mm
* Measured away from leadout bulge, allow extra 4mm at leads

Approximate weight 0.503 Kg

Terminations

Flexible equipment wire, 105°C PVC, 7/0.20 (0.22mm 2) Double Insulated over entire length with PVC sleeves

150mm Long, with 10mm stripped ends.

Secondary

Primary

Solid copper conductors (extension of winding wire) insulated over their entire length with PVC tubing

150mm Long, with 10mm tinned ends.