

ENGLISH

Datasheet

RS Pro 2 Output Toroidal Transformer, 160VA, 2 x 15V ac

RS Stock No: 671-9012



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 15 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:

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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	230 V ac		
Secondary Current	5.333 A		
Secondary Voltage Rating	2 x 15 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		



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Open Style, with leads, 230V Primary, 160VA

230V Brown

0V Blue

Temperature Class

Vsec Red Black Yellow Vsec Orange

Primary 230V @ 50/60Hz

Secondary 2 x Vsec, @ 80VA Each

Suitable for Series/Parallel Connection

RS Code No.	RS Part No.	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC resistance [Ohms] @ 25° C
671-9019	81551-P1S2	2x12	6.667	2 x 12.99	2 x 0.0819
671-9012	81552-P1S2	2x15	5.333	2 x 16.39	2 x 0.1377
671-9016	81553-P1S2	2x18	4.444	2 x 19.58	2 x 0.1842
671-9025	81554-P1S2	2x25	3.200	2 x 27.18	2 x 0.3503
671-9028	81555-P1S2	2x30	2.667	2 x 32.57	2 x 0.5257
671-9022	81556-P1S2	2x55	1.455	2 x 59.70	2 x 1.7576

Primary Winding Input Voltage : 230V±10 % @ 50/60Hz

DC Resistance @25°C = 10 Ohms (approx)
Magnetising Current @ 230V = 120.0mA (approx) Magnetising Current @ 253V = 300.0mA (approx)

Iron Losses 7.0 Watts (approx) Copper Losses 18.80 Watts (approx) Losses

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 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.