

Datasheet

RS Pro 2 Output Toroidal Transformer, 50VA, 2 x 25V ac

RS Stock No: **671-8962**



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 25 V ac and power rating of 50 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	80 mm
Dimensions	80 (dia.) x 33 mm
Height	33 mm
Maximum Operating Frequency	60 Hz
Minimum Operating Frequency	50 Hz
Number of Outputs	2
Power Rating	50 VA
Primary Voltage Rating	230 V ac
Secondary Current	1 A
Secondary Voltage Rating	2 x 25 V ac
Termination Type	Copper Conductor
Weight	740 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, 50VA



RS Code No.	RS Part No.	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC resistance [Ohms] @ 25° C
671-8959	81534-P1S2	2x6	4.167	2 x 6.82	2 x 0.0978
671-8952	81535-P1S2	2x9	2.778	2 x 10.29	2 x 0.2029
671-8956	81536-P1S2	2x12	2.083	2 x 13.63	2 x 0.3783
671-8965	81522-P1S2	2x15	1.667	2 x 17.10	2 x 0.6079
671-8968	81537-P1S2	2x18	1.389	2 x 20.57	2 x 0.8205
671-8962	81538-P1S2	2x25	1.000	2 x 28.50	2 x 1.6018
671-8971	81539-P1S2	2x55	0.455	2 x 62.70	2 x 7.8847

Primary Winding

Input Voltage : 230V±10 % @ 50/60Hz
 DC Resistance @25°C = 50 Ohms (approx)
 Magnetising Current @ 230V = 75.0mA (approx)
 Magnetising Current @ 253V = 175.0mA (approx)

Losses

Iron Losses 4.50 Watts (approx)
 Copper Losses 8.90 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 80mm*
 Height 33mm
 * Measured away from leadout bulge, allow extra 4mm at leads
 Approximate weight 0.74 Kg

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.