

Datasheet

## RS Pro 2 Output Toroidal Transformer, 30VA, 2 x 9V ac

RS Stock No: **671-8930**



### 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 9 V ac and power rating of 30 VA. Toroidal transformer meets EN 61558, IEC 742, UL 506, UL 1411, UL 478 and CE certified.

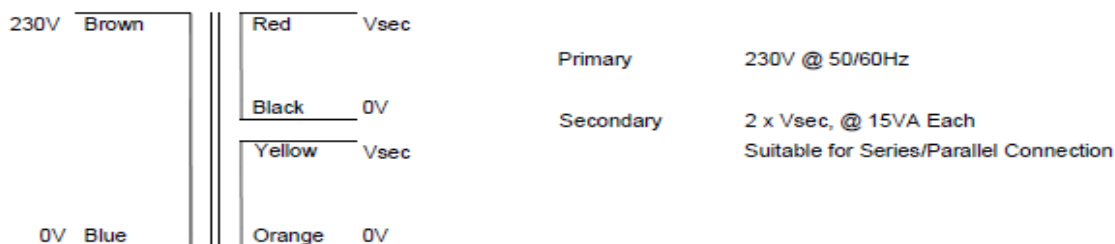
### Features and Benefits

- 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	1.667 A
Secondary Voltage Rating	2 x 9 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:  
 EN61558 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 (0.22mm<sup>2</sup>)  
 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.