



# Datasheet Toroidal Transformer Datasheet

RS Stock number [671-8943](#)

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.