



ENGLISH

# Datasheet

## 2 Output Toroidal Transformer, 80VA, 18 V ac

RS Stock number [671-8980](#)

Open Style, with leads, 230V Primary, 80VA



RS Code No.	RS Part No.	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC resistance [Ohms] @ 25° C
671-8974	81540-P1S2	2x9	4.444	2 x 10.20	2 x 0.1351
671-8978	81541-P1S2	2x12	3.333	2 x 13.64	2 x 0.2488
671-8987	81542-P1S2	2x15	2.667	2 x 17.08	2 x 0.3954
671-8980	81543-P1S2	2x18	2.222	2 x 20.40	2 x 0.5281
671-8984	81544-P1S2	2x25	1.600	2 x 28.30	2 x 1.0485
671-8993	81545-P1S2	2x55	0.7273	2 x 62.20	2 x 5.2056

### Primary Winding

Input Voltage : 230V±10% @ 50/60Hz  
DC Resistance @25°C = 28 Ohms (approx)  
Magnetising Current @ 230V = 85.0mA (approx)  
Magnetising Current @ 253V = 225.0mA(approx)

### Losses

Iron Losses 5.50 Watts (approx)  
Copper Losses 13.9 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  
UL508

### Physical Data

Approximation Dimension Diameter 93mm\*  
Height 38mm  
Approximate weight 1.04 Kg  
\* Measured away from leadout bulge, allow extra 4mm at leads

### 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.