

ENGLISH

### **Datasheet**

## RS Pro 2 Output Toroidal Transformer, 80VA, 2 x 25V ac

RS Stock No: 671-8984



### **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 80 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	93 mm		
Dimensions	93 (dia.) x 38 mm		
Height	38 mm		
Maximum Operating Frequency	60 Hz		
Minimum Operating Frequency	50 Hz		
Number of Outputs	2		
Power Rating	80 VA		
Primary Voltage Rating	230 V ac		
Secondary Current	1.6 A		
Secondary Voltage Rating	2 x 25 V ac		
Termination Type	Copper Conductor		
Weight	1.04 kg		
Construction	Open		
Standards Met	UL 506, IEC 61558 Class II, EN 61558 Class II, VDE0570 Class II, RoHS Compliant		



### **ENGLISH**

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

Orange

230V Brown

OV Blue

 Red
 Vsec

 Primary
 230V @ 50/80Hz

 Black
 0V

 Secondary
 2 x Vsec, @ 40VA Each

 Yellow
 Vsec

 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
671-8974	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

UL506

Physical Data Approximation Dimension Diameter 93mm\*

Height 38mm

\* Measured away from leadout bulge, allow extra 4mm at leads

Approximate weight 1.04 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.