

Professionally approved products.

Datasheet

2 Output Toroidal Transformer, 50VA, 12 V ac

RS Stock number [671-9090](#)

Open Style, with leads, 2x115V Primary, 50VA

115V	Brown	Red	Vsec	Primary	2x115V @ 50/60Hz
0V	Blue	Black	0V		
115V	Green	Yellow	Vsec	Secondary	2 x Vsec, @ 25VA Each Suitable for Series/Parallel Connection
0V	Violet	Orange	0V		

RS Code No.	RS Part No.	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC resistance [Ohms] @ 25° C
671-9088	81574-P2S2	2x6	4.167	2 x 6.82	2 x 0.0978
671-9097	81575-P2S2	2x9	2.778	2 x 10.29	2 x 0.2029
671-9090	81576-P2S2	2x12	2.083	2 x 13.63	2 x 0.3783
671-9094	81577-P2S2	2x15	1.667	2 x 17.10	2 x 0.6079
671-9104	81578-P2S2	2x18	1.389	2 x 20.57	2 x 0.8205
671-9107	81579-P2S2	2x25	1.000	2 x 28.50	2 x 1.6018
671-9101	81580-P2S2	2x55	0.455	2 x 62.70	2 x 7.8847

Primary Winding

Input Voltage : 2 x 115V±10% @ 50/60Hz
 DC Resistance @25°C = 2 x 25 Ohms (approx)
 Magnetising Current @ 115V = 150.0mA (approx)
 Magnetising Current @ 126.5V = 350.0mA (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.