ENGLISH

Datasheet

2 Output Toroidal Transformer, 160VA, 30 V ac

RS Stock number 671-9160

Open Style, with leads, 2x115V Primary, 160VA

Primary	2x115V @ 50/60Hz
Secondary	2 x Vsec, @ 80VA Each 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
671-9145	81592-P2S2	2x12	6.667	2 x 12.99	2 x 0.0819
671-9154	81593-P2S2	2x15	5.333	2 x 16.39	2 x 0.1377
671-9157	81594-P2S2	2x18	4.444	2 x 19.58	2 x 0.1842
671-9151	81595-P2S2	2x25	3.200	2 x 27.18	2 x 0.3503
671-9160	81596-P2S2	2x30	2.667	2 x 32.57	2 x 0.5257
671-9163	81597-P2S2	2x55	1.455	2 x 59.70	2 x 1.7576

Primary Winding

Input Voltage : 2 x 115V±10 % @ 50/60Hz
DC Resistance @25°C = 2 x 5.0 Ohms (approx)
Magnetising Current @ 115V = 240.0mA (approx)
Magnetising Current @ 126.5V = 600.0mA (approx)

Losses

Iron Losses 7.00 Watts (approx)
Copper Losses 18.80 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 109mm*
Height 46mm
* Measured away from leadout bulge, allow extra 4mm at leads

Approximate weight 1.74 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.