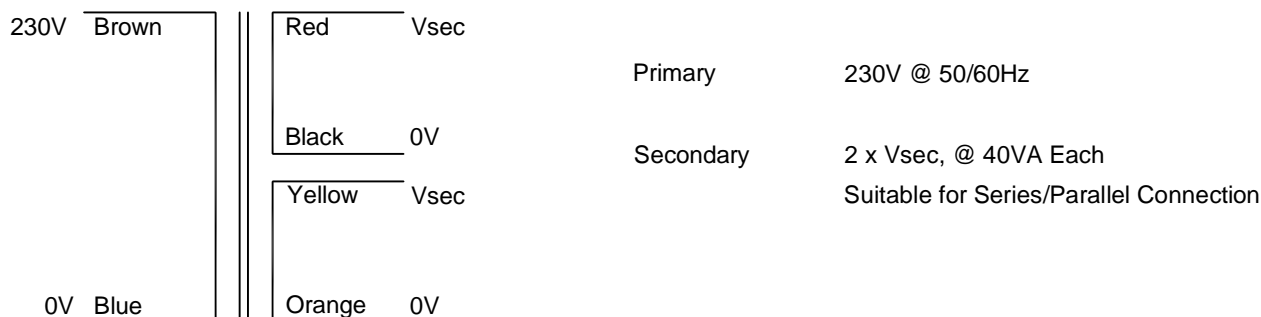




Toroidal Transformer Data Sheet

30-Dec-2009

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
 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.