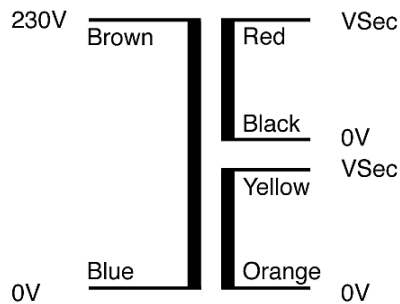




## Toroidal Transformer Data Sheet

1000VA Open Style, with Leads.  
230V Primary, Dual Secondaries

High quality open style toroidal transformers with a single 230V/50-60Hz primary winding. Twin secondary windings may be connected in series or parallel, or used independently



Primary 230V @ 50-60Hz  
Secondary: 2 x Vsec @ 500VA Each  
Suitable for Series/Parallel connection



RS Part No.	Nuvotem Part Number	Full Load Vsec [V]	Rated Current per Sec [A]	No Load Vsec [V]	DC Resistance [Ohms] @ 25°C	DEKRA Certificate
223-8409	RS1000P1-2-040	2 x 40	12.500	2 x 41.76	2 x 0.0677	2161054.02
223-8415	RS1000P1-2-045	2 x 45	11.111	2 x 47.06	2 x 0.0851	2161054.02
223-8421	RS1000P1-2-050	2 x 50	10.000	2 x 52.35	2 x 0.1171	2161054.02
223-8443	RS1000P1-2-055	2 x 55	9.091	2 x 57.65	2 x 0.1299	2161054.02

Primary Winding Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz  
DC Resistance @ 25°C = Approx. 1.1 Ohms

Losses Iron Losses 4.55 Watts approx.  
Copper Losses 55.0 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 Approved to UL506 & UL5085 : File E215495  
Approved to EN61558 : DEKRA Certificate 2161054.02  
Conforms to EN60065, VDE0550, BS415.

Physical Data Approximate Dimensions Diameter 162mm\*  
Height 70mm  
\* Measured away from leadout bulge; Allow extra 4mm at leads.  
Approximate Weight 5.10 Kg

Terminations Primary **Solid copper conductors (extension of winding wire), insulated over their entire length with 105°C PVC tubing. Double-insulated over entire length with 105°C PVC tubing. 150mm Long, 10mm tinned ends.**  
Secondary Solid copper conductors (extension of winding wire), insulated over their entire length with 105°C PVC tubing. 150mm Long, 10mm tinned ends.

Mounting Hardware Each transformer is supplied with a mounting kit, comprising:  
Neoprene Insulating disc 2 pieces  
Dished Steel Washer 1 piece  
Bolt M8x80mm Slotted Pan-Head 1 piece  
Washer M8 Plain 1 piece  
Nut M8 Hex 1 piece