

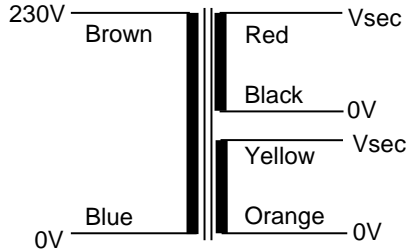


# Nuvotem Toroidal Transformer Data Sheet

Open Style, with leads, 225VA  
**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 @ 112.5VA 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
223-8134	RS0225P1-2-012	2 x 12	9.375	2 x 13.14	2 x 0.0574	2161054.01
223-8140	RS0225P1-2-015	2 x 15	7.500	2 x 16.32	2 x 0.0901	2161054.01
223-8162	RS0225P1-2-018	2 x 18	6.250	2 x 19.71	2 x 0.1245	2161054.01
223-8178	RS0225P1-2-025	2 x 25	4.500	2 x 27.42	2 x 0.2491	2161054.02
223-8184	RS0225P1-2-030	2 x 30	3.750	2 x 32.86	2 x 0.3709	2161054.02
223-8190	RS0225P1-2-055	2 x 55	2.045	2 x 59.82	2 x 1.1809	2161054.02

**Primary Winding** Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz  
 DC Resistance @ 25°C = Approx 7.3 Ohms  
 Magnetising Current @ 230V = Approx 13.5mA  
 Magnetising Current @ 253V = Approx 73.0mA

**Losses** Iron Losses 1.19 Watts approx  
 Copper Losses 25.0 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 Certificates 2161054.01 and 2161054.02 (see table above)  
 Conforms to EN60065, VDE0550, BS415.

**Physical Data** Approximate Dimensions Diameter 112mm\*  
 Height 47mm  
 \* Measured away from leadout bulge; Allow extra 4mm at leads.  
 Approximate Weight 1.90 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 M6x60mm Slotted Pan-Head 1 piece  
 Washer M6 Plain 1 piece  
 Nut M6 Nex 1 piece