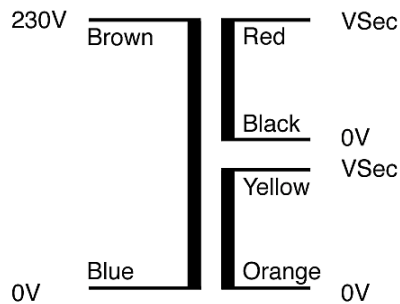




Toroidal Transformer Data Sheet

500VA Encapsulated Style, with Leads.
230V Primary, Dual Secondaries

High quality encapsulated 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 @ 250VA 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
223-8897	RS0500P1-2-025K	2 x 25	10.000	2 x 26.71	2 x 0.0789	2161054.02
223-8904	RS0500P1-2-030K	2 x 30	8.333	2 x 32.27	2 x 0.1188	2161054.02
223-8910	RS0500P1-2-035K	2 x 35	7.143	2 x 37.47	2 x 0.1561	2161054.02
223-8926	RS0500P1-2-040K	2 x 40	6.250	2 x 43.03	2 x 0.2043	2161054.02
223-8948	RS0500P1-2-045K	2 x 45	5.556	2 x 48.59	2 x 0.2645	2161054.02
223-8954	RS0500P1-2-050K	2 x 50	5.000	2 x 53.42	2 x 0.3267	2161054.02
223-8960	RS0500P1-2-055K	2 x 55	4.545	2 x 58.61	2 x 0.3614	2161054.02

Primary Winding Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz
DC Resistance @ 25°C = Approx 2.5 Ohms

Losses Iron Losses 2.36 Watts approx
Copper Losses 37.5 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 Encapsulated in Black Cylindrical Case, with 8.2mm centre hole.
Case Diameter 147.1mm
Case Height 64.7mm

Approximate Weight 3.80 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.