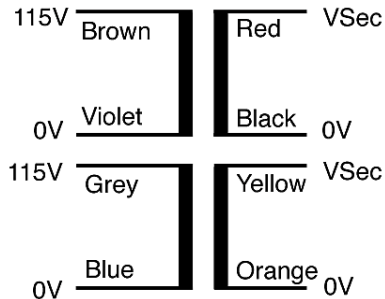




Toroidal Transformer Data Sheet

50VA Open Style, with Leads.
Dual 115V Primaries, Dual Secondaries

High quality open style toroidal transformers with dual 115V/50-60Hz primary windings. Twin secondary windings may be connected in series or parallel, or used independently



Primary 2x115V @ 50-60Hz
Suitable for Series/Parallel connection

Secondary: 2 x Vsec @ 25VA 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
257-5001	91233-P2S2	2 x 6	4.167	2 x 6.80	2 x 0.0914	2161054.01
257-5017	91234-P2S2	2 x 9	2.778	2 x 10.20	2 x 0.2139	2161054.01
257-5023	91235-P2S2	2 x 12	2.083	2 x 13.71	2 x 0.3977	2161054.01
257-5039	91236-P2S2	2 x 15	1.667	2 x 17.22	2 x 0.6411	2161054.01
257-5045	91237-P2S2	2 x 18	1.389	2 x 20.39	2 x 0.8519	2161054.01
257-5051	91238-P2S2	2 x 25	1.000	2 x 28.78	2 x 1.9135	2161054.02
257-5067	91239-P2S2	2 x 55	0.455	2 x 63.22	2 x 9.4110	2161054.02

Primary Winding	Input Voltage Range :	Series: 207V–253V (230V±10%) @ 50/60Hz Parallel: 103.5V–126.5V (115V±10%) @ 50/60Hz
	DC Resistance @ 25°C =	Approx 24.5 Ohms each
Losses	Iron Losses	0.41 Watts approx
	Copper Losses	8.35 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 or 2161054.02 (see table above)
	Conforms to EN60065, VDE0550, BS415.	
Physical Data	Approximate Dimensions	Diameter 80mm* Height 33mm
	Approximate Weight	0.45 Kg
		* Measured away from leadout bulge: Allow extra 4mm at leads.
Terminations	Primary	Flexible equipment wire UL Style 1569 (105°C), CSA Type TR-64 (90°C) Double-insulated over entire length with 105°C PVC tubings. 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 M6x40mm Slotted Pan-Head	1 piece
	Washer M6 Plain	1 piece
	Nut M6 Hex	1 piece