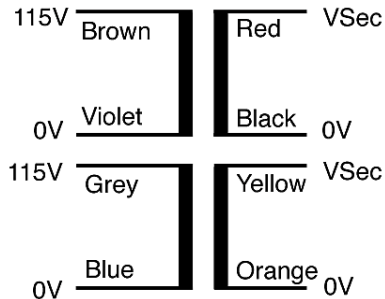




Toroidal Transformer Data Sheet

160VA 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 @ 80VA 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
257-5130	91245-P2S2	2 x 12	6.667	2 x 13.26	2 x 0.0909	2161054.01
257-5146	91246-P2S2	2 x 15	5.333	2 x 16.63	2 x 0.1469	2161054.01
257-5168	91247-P2S2	2 x 18	4.444	2 x 19.79	2 x 0.1974	2161054.01
257-5174	91248-P2S2	2 x 25	3.200	2 x 27.31	2 x 0.3772	2161054.02
257-5180	91249-P2S2	2 x 30	2.667	2 x 32.86	2 x 0.5638	2161054.02
257-5196	91250-P2S2	2 x 55	1.455	2 x 60.17	2 x 1.8566	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 5 Ohms each
Losses	Iron Losses	0.93 Watts approx
	Copper Losses	18.0 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 105mm* Height 42mm
	Approximate Weight	1.50 Kg
		* Measured away from leadout bulge: Allow extra 4mm at leads.
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 Hex	1 piece