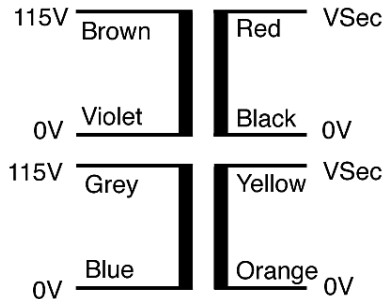




Toroidal Transformer Data Sheet

1000VA 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 @ 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 |
|-------------|---------------------|--------------------|---------------------------|------------------|-----------------------------|-------------------|
| 420-9330 | 92344-P2S2 | 2 x 40 | 12.500 | 2 x 41.76 | 2 x 0.0677 | 2161054.02 |
| 420-9346 | 92345-P2S2 | 2 x 45 | 11.111 | 2 x 47.06 | 2 x 0.0851 | 2161054.02 |
| 420-9352 | 92346-P2S2 | 2 x 50 | 10.000 | 2 x 52.35 | 2 x 0.1171 | 2161054.02 |
| 420-9368 | 92347-P2S2 | 2 x 55 | 9.091 | 2 x 57.65 | 2 x 0.1299 | 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. 0.55 Ohms each |
| 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 |
| | Approximate Weight | 5.10 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 M8x80mm Slotted Pan-Head | 1 piece |
| | Washer M8 Plain | 1 piece |
| | Nut M8 Hex | 1 piece |