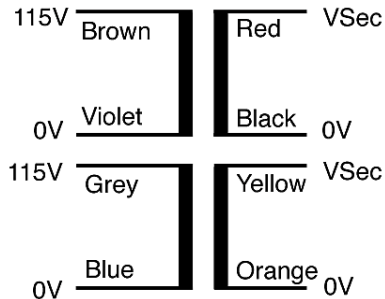




Toroidal Transformer Data Sheet

**30VA 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 @ 15VA 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 |
|-------------|---------------------|--------------------|---------------------------|------------------|-----------------------------|-------------------|
| 257-4941 | 91227-P2S2 | 2 x 6 | 2.500 | 2 x 7.17 | 2 x 0.2551 | 2161054.01 |
| 257-4957 | 91228-P2S2 | 2 x 9 | 1.667 | 2 x 10.65 | 2 x 0.5510 | 2161054.01 |
| 257-4963 | 91229-P2S2 | 2 x 12 | 1.250 | 2 x 14.19 | 2 x 0.9201 | 2161054.01 |
| 257-4979 | 91230-P2S2 | 2 x 15 | 1.000 | 2 x 17.74 | 2 x 1.4488 | 2161054.01 |
| 257-4985 | 91231-P2S2 | 2 x 18 | 0.833 | 2 x 21.44 | 2 x 2.2213 | 2161054.01 |
| 257-4991 | 91232-P2S2 | 2 x 25 | 0.600 | 2 x 29.75 | 2 x 4.2757 | 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 46 Ohms each |
| Losses | Iron Losses | 0.25 Watts approx |
| | Copper Losses | 6.71 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 70mm* Height 32mm |
| | 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 |