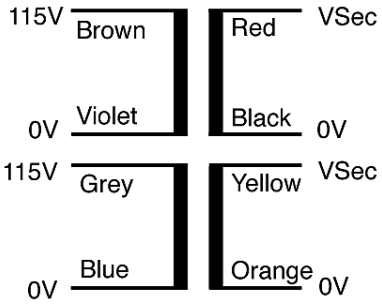
talema group

nuvotem
A Talema Group Company

# Toroidal Transformer Data Sheet

## 300VA Encapsulated Style, with Leads.
## Dual Primaries, Dual Secondaries

High quality encapsulated 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 @ 150VA Each
Suitable for Series/Parallel connection

| Nuvotem Part Number | Full Load Vsec [V] | Rated Current per Sec [A] | No Load Vsec [V] | DC Resistance [Ohms] @ 25'C | DEKRA Certificate |
|---|---|---|---|---|---|
| 0300P2-2-025K | 2 x 25 | 6.000 | 2 x 26.85 | 2 x 0.1677 | 2161054.02 |
| 0300P2-2-030K | 2 x 30 | 5.000 | 2 x 32.52 | 2 x 0.2300 | 2161054.02 |
| 0300P2-2-035K | 2 x 35 | 4.286 | 2 x 37.88 | 2 x 0.3010 | 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 2.4 Ohms each

**Losses**

Iron Losses 1.59 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 6.1mm centre hole.
Case Diameter 125.6mm
Case Height 65.3mm

Approximate Weight 2.65 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.

Nuvotem Talema, Units W-X, Gweedore Business Park, Derrybeg, Co. Donegal, Ireland, F92 AT8F
Tel:+353 7495 48666 Fax:+353 7495 48139 Email: info@nuvotem.com www.nuvotem.com