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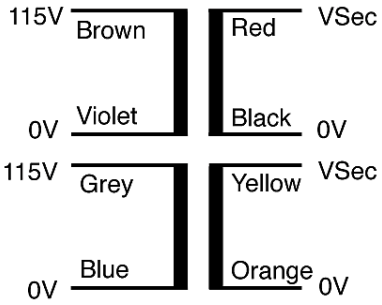
nuvotem
A Talema Group Company

Toroidal Transformer Data Sheet

120VA 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 @ 60VA 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
0120P2-2-012K	2 x 12	5.000	2 x 13.42	2 x 0.1336	2161054.01
0120P2-2-015K	2 x 15	4.000	2 x 16.82	2 x 0.2098	2161054.01
0120P2-2-018K	2 x 18	3.333	2 x 20.04	2 x 0.6182	2161054.01
0120P2-2-025K	2 x 25	2.400	2 x 28.02	2 x 0.6675	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 8 Ohms each

Losses

Iron Losses 0.73 Watts approx
Copper Losses 15.2 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

Encapsulated in Black Cylindrical Case, with 6.1mm centre hole.
Case Diameter 104.2mm
Case Height 52.1mm

Approximate Weight 1.33 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.

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