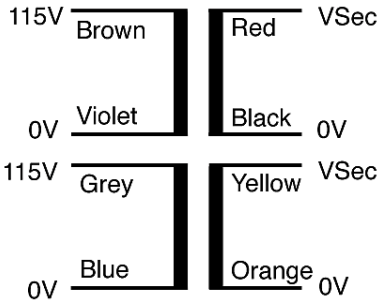
Toroidal Transformer Data Sheet

50VA 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 @ 25VA 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
0050P2-2-006K	2 x 6	4.167	2 x 6.80	2 x 0.0914	2161054.01
0050P2-2-009K	2 x 9	2.778	2 x 10.20	2 x 0.2139	2161054.01
0050P2-2-012K	2 x 12	2.083	2 x 13.71	2 x 0.3977	2161054.01
0050P2-2-015K	2 x 15	1.667	2 x 17.22	2 x 0.6411	2161054.01
0050P2-2-018K	2 x 18	1.389	2 x 20.39	2 x 0.8519	2161054.01
0050P2-2-025K	2 x 25	1.000	2 x 28.78	2 x 1.9135	2161054.02
0050P2-2-055K	2 x 55	0.455	2 x 63.22	2 x 9.4110	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 24.5 Ohms each

Losses

Iron Losses 0.41 Watts approx
Copper Losses 8.35 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

Encapsulated in Black Cylindrical Case, with 5.1mm centre hole.
Case Diameter 87.3mm
Case Height 41.7mm

Approximate Weight 0.74 Kg

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.

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