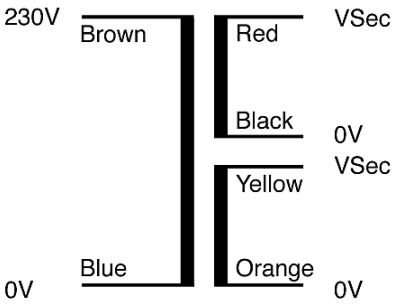
nuvotem
A Talema Group Company

Toroidal Transformer Data Sheet

160VA Encapsulated Style, with Leads.
230V Primary, Dual Secondaries

High quality encapsulated toroidal transformers with a single 230V/50-60Hz primary winding.
Twin secondary windings may be connected in series or parallel, or used independently



Primary 230V @ 50-60Hz

Secondary: 2 x Vsec @ 80VA 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
223-8752	RS0160P1-2-012K	2 x 12	6.667	2 x 13.26	2 x 0.0909	2161054.01
223-8768	RS0160P1-2-015K	2 x 15	5.333	2 x 16.63	2 x 0.1469	2161054.01
223-8774	RS0160P1-2-018K	2 x 18	4.444	2 x 19.79	2 x 0.1974	2161054.01
223-8780	RS0160P1-2-025K	2 x 25	3.200	2 x 27.31	2 x 0.3772	2161054.02
223-8796	RS0160P1-2-030K	2 x 30	2.667	2 x 32.86	2 x 0.5638	2161054.02

Primary Winding

Input Voltage Range : 207V–253V (230V +/- 10%) @ 50/60Hz
DC Resistance @ 25'C = Approx 10 Ohms

Losses

Iron Losses 0.93 Watts approx
Copper Losses 18.0 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 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 115.2mm
Case Height 53.2mm

Approximate Weight 1.73 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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