

40 VA / 400 Hz POWER TRANSFORMER

PHYSICAL SPECIFICATIONS

Construction: Black Epoxy Encapsulated.

Terminals: Printed circuit pins—tinned brass.

Terminal Strength: 2.0 pounds.

Marking: Includes Torotel name and part number.

Mechanical Tolerance: $\pm .010$ unless indicated.

Package Style: * Package Style "P" is shown with the mounting pad. Without the pad would be style "E". See the part number below.

Weight: 5.2 oz nominal, 5.8 oz maximum.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range: -55°C to $+130^{\circ}\text{C}$
(ambient plus temperature rise) $+155^{\circ}\text{C}$ available on special order.

Altitude: 70,000 feet, maximum.

ELECTRICAL SPECIFICATIONS

Primary voltage: 115 volts rms $\pm 10\%$.

Frequency: 400 Hz $\pm 5\%$.

Secondary Voltage: See Table I. Secondary Voltage Tolerance: $\pm 3\%$ at full load and 115 volts, 400 Hz applied to primary.

Electrostatic Shielding (Schematics S and Y): 5 to 1 minimum voltage ratio at 20 KHz.

Phase Shift: 1.0 electrical degree between primary and secondary voltage at rated load, maximum.

Insulation Resistance: 10,000 megohms minimum at 500 VDC.

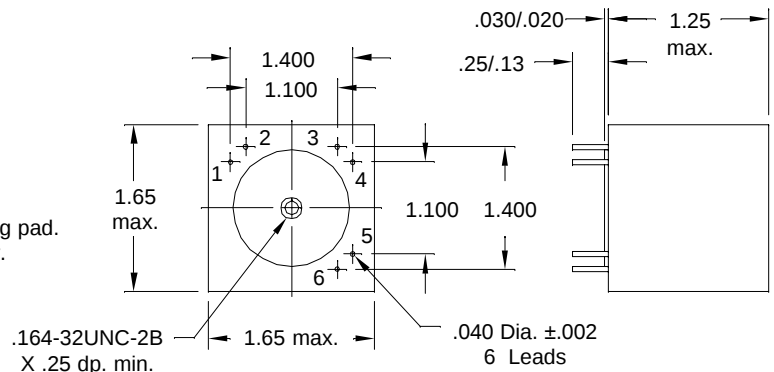
Dielectric Strength: At sea level—2.8 times the maximum working voltage. At reduced barometric pressure—1.25 times the maximum working voltage.

Exciting Current: 35 ma max.

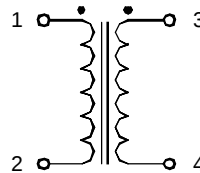
Efficiency: 88% minimum.

Regulation: 7 % maximum.

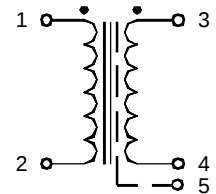
MECHANICAL OUTLINE



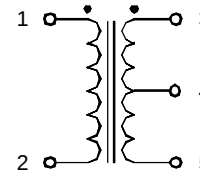
Schematic X



Schematic Y



Schematic T



Schematic S

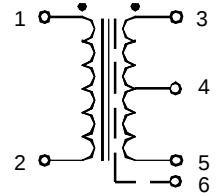


Table I Industry Standard Secondary Voltages

Secondary Voltage	5	5.5	6	6.3	7	7.5	8	9	10	11	12	12.6	13	15	16	18	20	22	24	26	28	30	33
Maximum Working Voltage	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325

Secondary Voltage	36	39	43	47	51	56	62	68	75	82	91	100	110	115	120	130	150	180	200	220	240	270	300
Maximum Working Voltage	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	440	440	440	580	580	580

PART NUMBER EXAMPLE (C40ET26)

C 40 E T 26

V.A. Rating

Package Style *

Secondary Voltage (see Table I)

Schematic



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