

# HIGH FREQUENCY MAGNETICS

## Specialty Through Hole Shielded Transformer

TM00105

- Operates as high frequency pulse transformer or as high frequency analog transformer in various telecom circuits requiring very high voltage step-up ratio
- Interwinding Electrostatic Shield provides low capacitance and high EMI suppression
- Electrical equivalents: 2664F, 2779A
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Reliability testing: shock, vibration, temperature cycling, temperature - humidity - bias

### ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Turns Ratio ±1%	Inductance <sup>2</sup> μH Min	DCR Ω max	Leakage Inductance <sup>2</sup> μH max	Interwinding Capacitance pF max			Minimum Interwinding Breakdown Voltage Vrms
	(3-7) : (2-1) <sup>1</sup>	(2-5)	(3-8)(4-7)(2-1) <sup>3</sup>	(3-7) <sup>1</sup>	(3-8) to 6 <sup>4</sup>	(4-7) to 6 <sup>4</sup>	(3-7) : (2-1) <sup>5</sup>	
2741P2	1 CT : 25 CT	300	1.92	0.2	5	5	5	500

1. connect 4 to 8

2. measured at 100kHz, 0.02 Vac

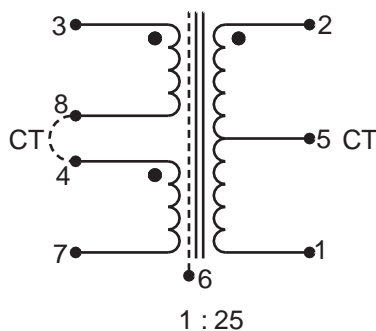
3. connect 4 to 8 & 2 to 7

4. with (2-1) grounded

5. with 6 grounded and 4 connected to 8

### SCHEMATIC

#### 2741P2

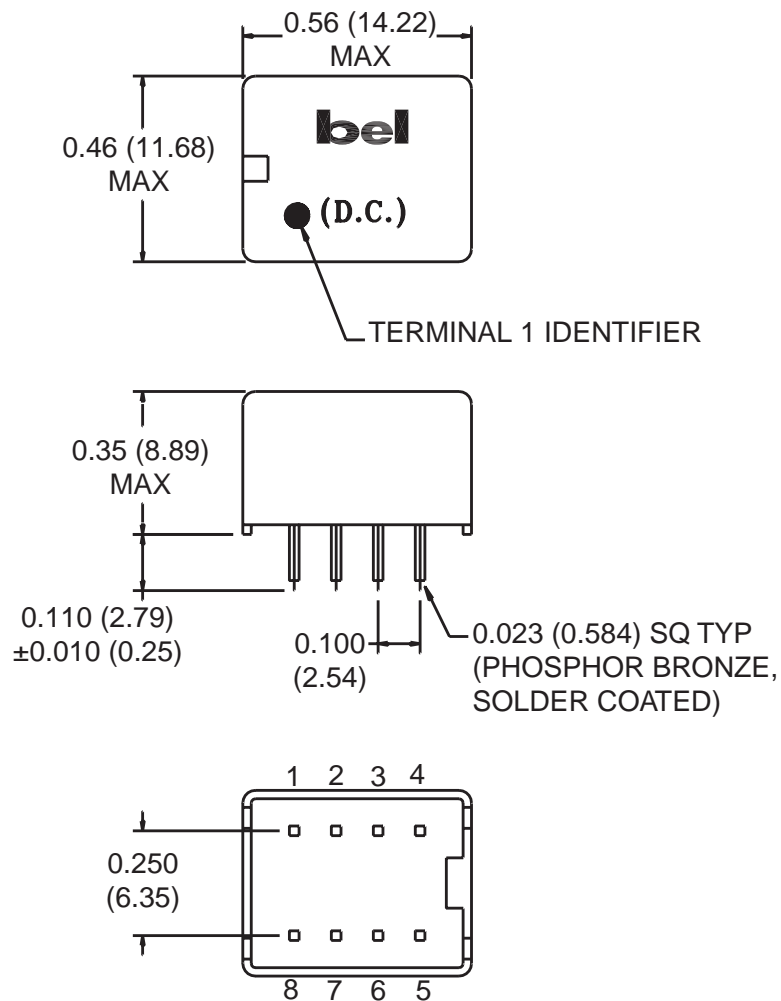


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### MECHANICAL

2741P2



Unless otherwise specified, dimensions are nominal and in inches (millimeters).

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