

# HIGH FREQUENCY MAGNETICS

## T1/E1 Through Hole Shielded Transformer

TM00124

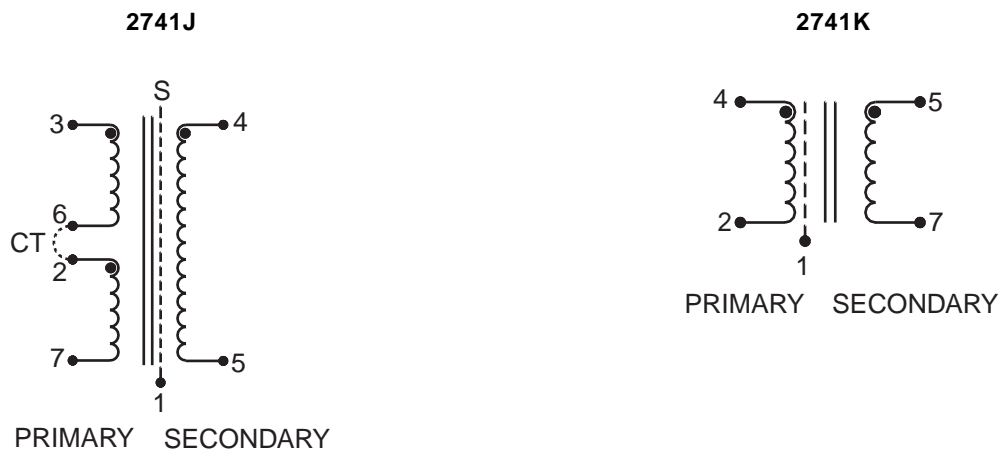
- Designed for DS1, DS1C, and CEPT applications
- Electrostatic shield provides improved longitudinal signal suppression
- 2741J has an internal connection to terminal 8; do not use
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: 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 ±2%	Primary Inductance <sup>1</sup> mH min	DCR Ω max		Leakage Inductance <sup>2</sup> μH max	Interwinding Capacitance <sup>4</sup> pF max	Minimum Interwinding Breakdown Voltage Vrms
	Pri : Sec		Pri	Sec			
2741J	1 CT <sup>3</sup> : 1.37	0.92 <sup>3</sup>	0.8 <sup>3</sup>	1.25	2.0 <sup>3</sup>	8	850
2741K	1 : 1	1.25	0.7	0.85	2.0	3.5	500

1. measured at 10 kHz, 0.1 Vac
2. measured at 100 kHz, 0.1 Vac
3. connect 2 and 6
4. with pin 1 grounded

### SCHEMATIC

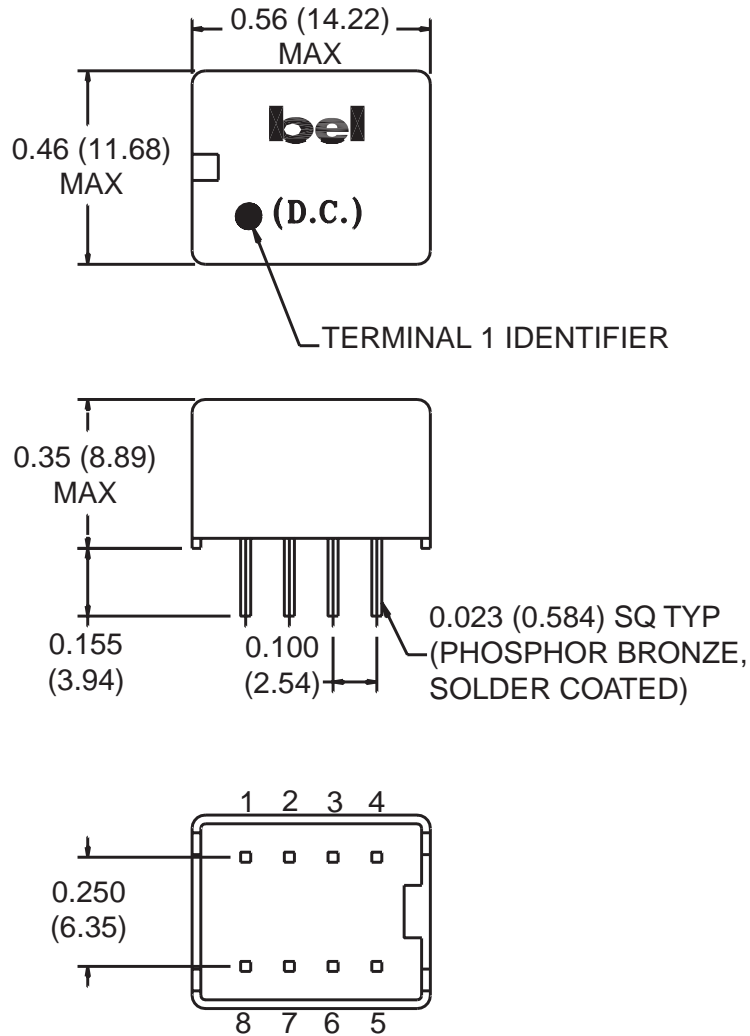


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#### MECHANICAL

2741J  
2741K



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

#### CORPORATE

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