



HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Shielded Transformer

TM00124

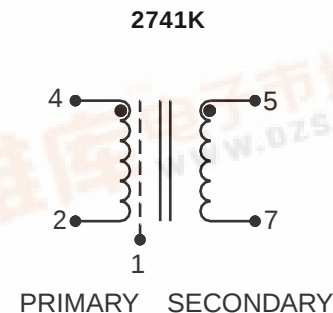
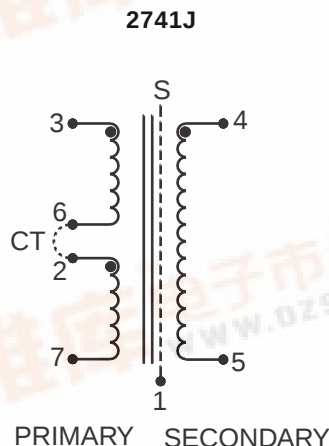
- Designed for DS1, DS1C, and CEPT applications
- Electrostatic shield provides improved longitudinal signal suppression
- 2741J has an internal connection to terminal 8; do not use
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: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

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

SCHEMATIC





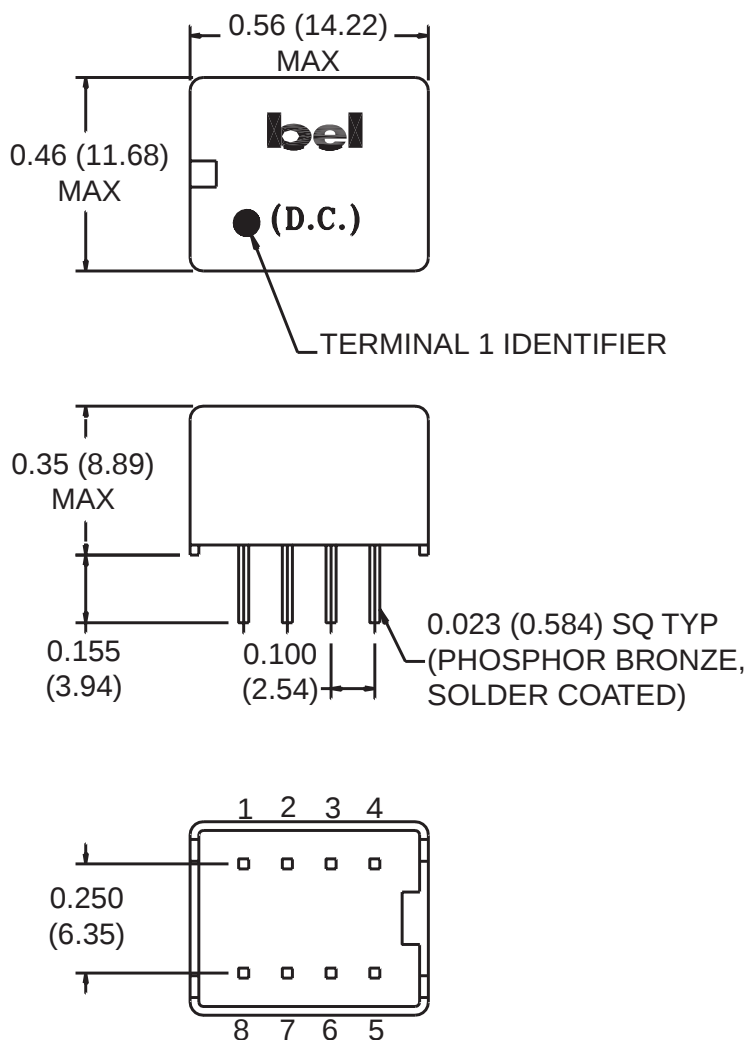
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MECHANICAL

2741J
2741K



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

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