

HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Transformer

TM00115

- Operates as a line-interface pulse transformer in DS1 and CEPT applications
- Winding (3-2) (2-1) is highly balanced
- Designed for automatic machine placement into printed wiring boards
- Recommended replacement is 2745AF2
- 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

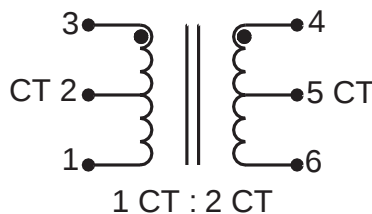
Part Number	Turns Ratio ± 2%	Inductance ¹ mH min	DCR Ω max		Leakage Inductance ² μH max	Interwinding Capacitance pF typ	Minimum Interwinding Breakdown Voltage Vrms
	(3-1) : (4-6)	(3-1)	(3-1)	(4-6)	(3-1)	(3-1) and (4-6)	
2745B	1CT : 2 CT	3.5	4.9	10.2	7.0	110	850

1. measured at 10 kHz, 0.1 V

2. measured at 100 kHz, with (4-6) shorted

SCHEMATIC

2745B



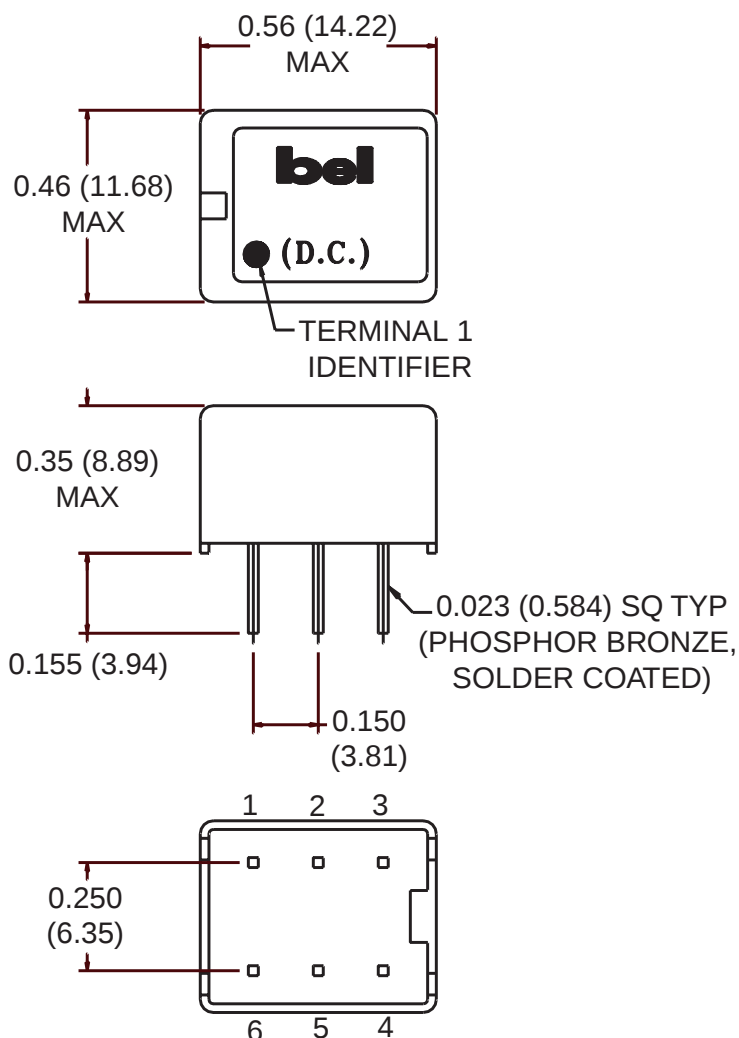
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MECHANICAL

2745B



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

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