

# HIGH FREQUENCY MAGNETICS

## T1/E1 Through Hole Hardened Transformer

TM00127

- Designed to operate at the DS1 rate of 1.544 Mbits/s
- Meets IEC 695, 2-2 flammability requirements
- Winding (4-6) can handle a 6 A current surge for 1 second with no damage
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Operating temperature range: -40°C to +85° C
- Reliability testing: Shock, vibration, temperature cycling, temperature - humidity - bias

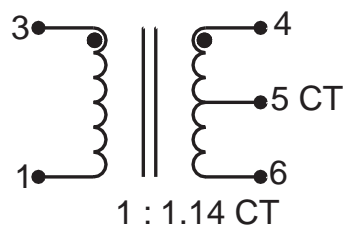
### ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Nominal Turns Ratio ± 2%	Inductance <sup>1</sup> mH Min	DCR Ω max		Leakage Inductance μH max	Interwinding Capacitance pF max	Minimum Interwinding Breakdown Voltage Vrms
	(3-1):(4-6)		(3-1)	(4-6)			
2745AL2	1 : 1.14 CT	1.25	0.85	0.40	1.8	14	1000

1. measured at 10 kHz, 0.1 Vac

### SCHEMATIC

2745AL2

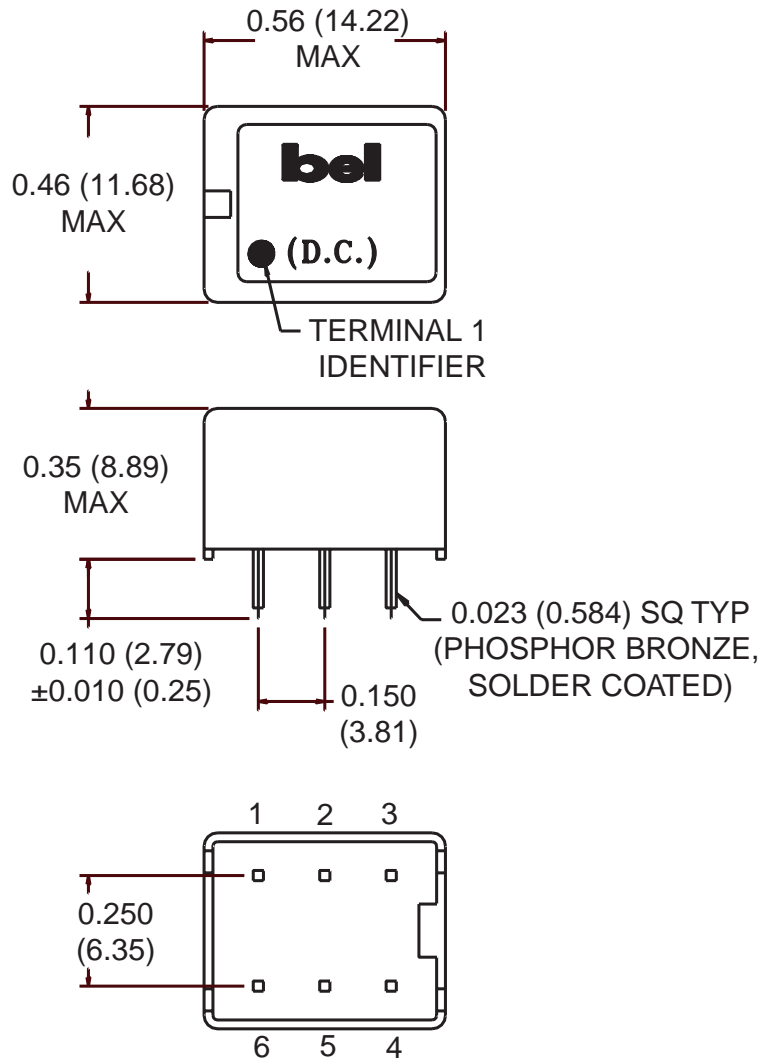


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#### MECHANICAL

2745AL2



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

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