

# HIGH FREQUENCY MAGNETICS

## T1/E1 Through Hole Shielded Transformers

TM00125

- Operate as line-interface pulse transformers in DS1 and CEPT applications
- Interwinding electrostatic shield for minimum capacitance and maximum EMI suppression
- 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

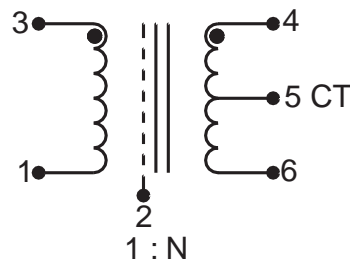
### ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Nominal Turns Ratio ±2%	Inductance <sup>1</sup> mH Min	DCR Ω max		Leakage Inductance <sup>2</sup> μH max	Typical Effective Distributed Capacitance pF	Interwinding Capacitance pF max	Minimum Interwinding Breakdown Voltage Vrms
	(3-1) : (4-6)		(3-1)	(3-1)				
2745H2	1 : 1.36 CT	1.24	1.58	0.50	3.3	50	10	850
2745AK2	1 : 1.14 CT	1.25	0.87	0.78	2.0	-	5	1000

- measured at 10 kHz, 0.1 Vac
- measured at 100 kHz, 0.1 Vac
- with 2 grounded

### SCHEMATIC

2745H2  
2745AK2

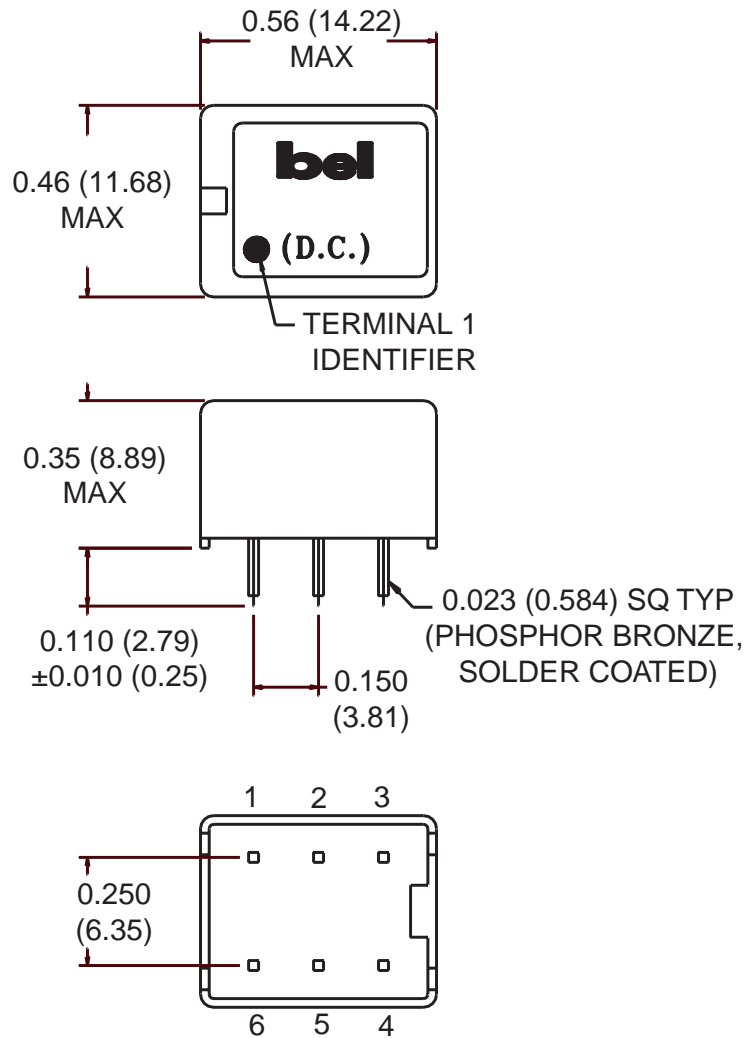


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#### MECHANICAL

2745H2  
2745AK2



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

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