

HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Shielded Transformers

TM00125

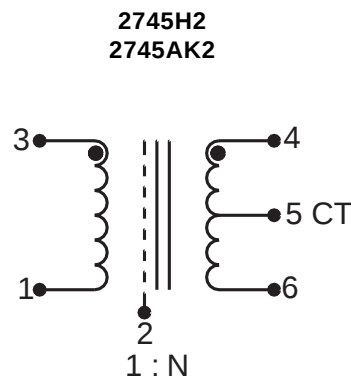
- Operate as line-interface pulse transformers in DS1 and CEPT applications
- Interwinding electrostatic shield for minimum capacitance and maximum EMI suppression
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed 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 ¹ mH Min	DCR Ω max		Leakage Inductance ² μH max	Typical Effective Distributed Capacitance pF	Interwinding Capacitance pF max	Minimum Interwinding Breakdown Voltage Vrms
	(3-1) : (4-6)	(3-1)	(3-1)	(4-6)	(3-1)	(3-1)	(3-1) to (4-6) ³	
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

1. measured at 10 kHz, 0.1 Vac
 2. measured at 100 kHz, 0.1 Vac
 3. with 2 grounded

SCHEMATIC

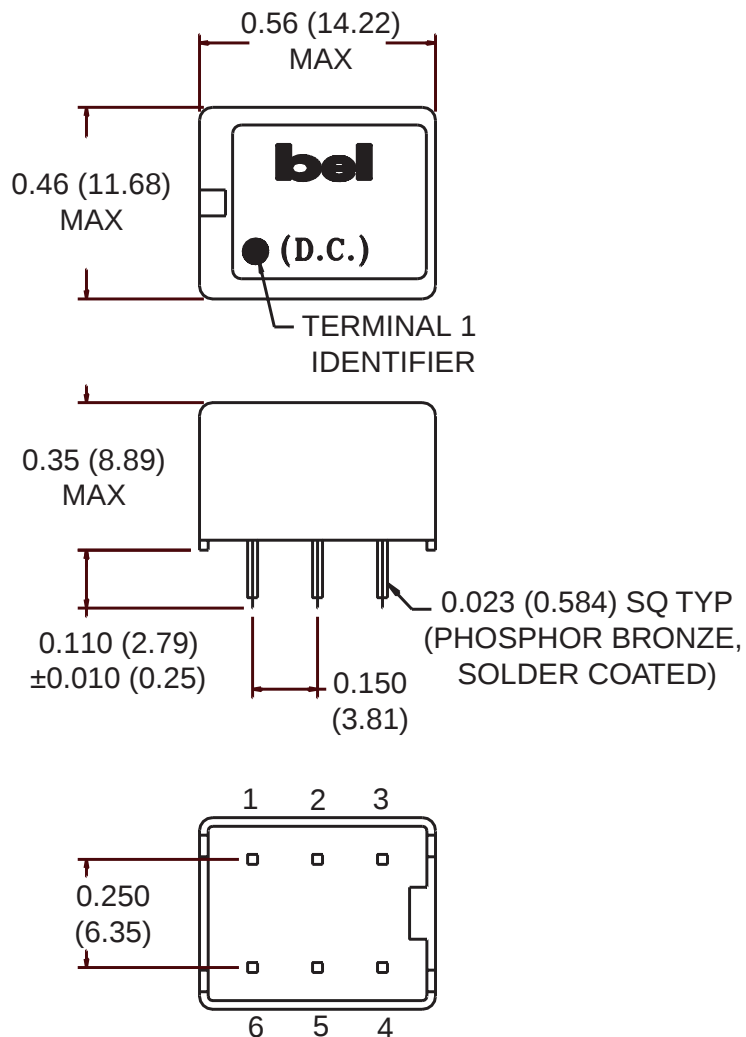


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MECHANICAL

2745H2
2745AK2



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

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