

HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Transformers

TM00116

- Designed to operate at the rate of 1.544 Mbits/s as a line interface pulse transformer
- Only difference between the 2745C and 2745C2 is the terminal length
- 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

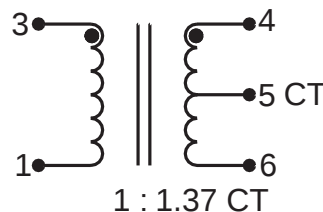
ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Nominal Turns Ratio ± 2%	Inductance ¹ μH Min	DCR Ω max		Leakage Inductance μH max	Interwinding Capacitance pF max	Minimum Interwinding Breakdown Voltage Vrms
	(3-1):(4-6)	(3-1)	(3-1)	(4-6)	(3-1)	(3-1) to (4-6)	
2745C	1 : 1.37 CT	680	1.0	1.4	1.2	85	850
2745C2	1 : 1.37 CT	680	1.0	1.4	1.2	85	850

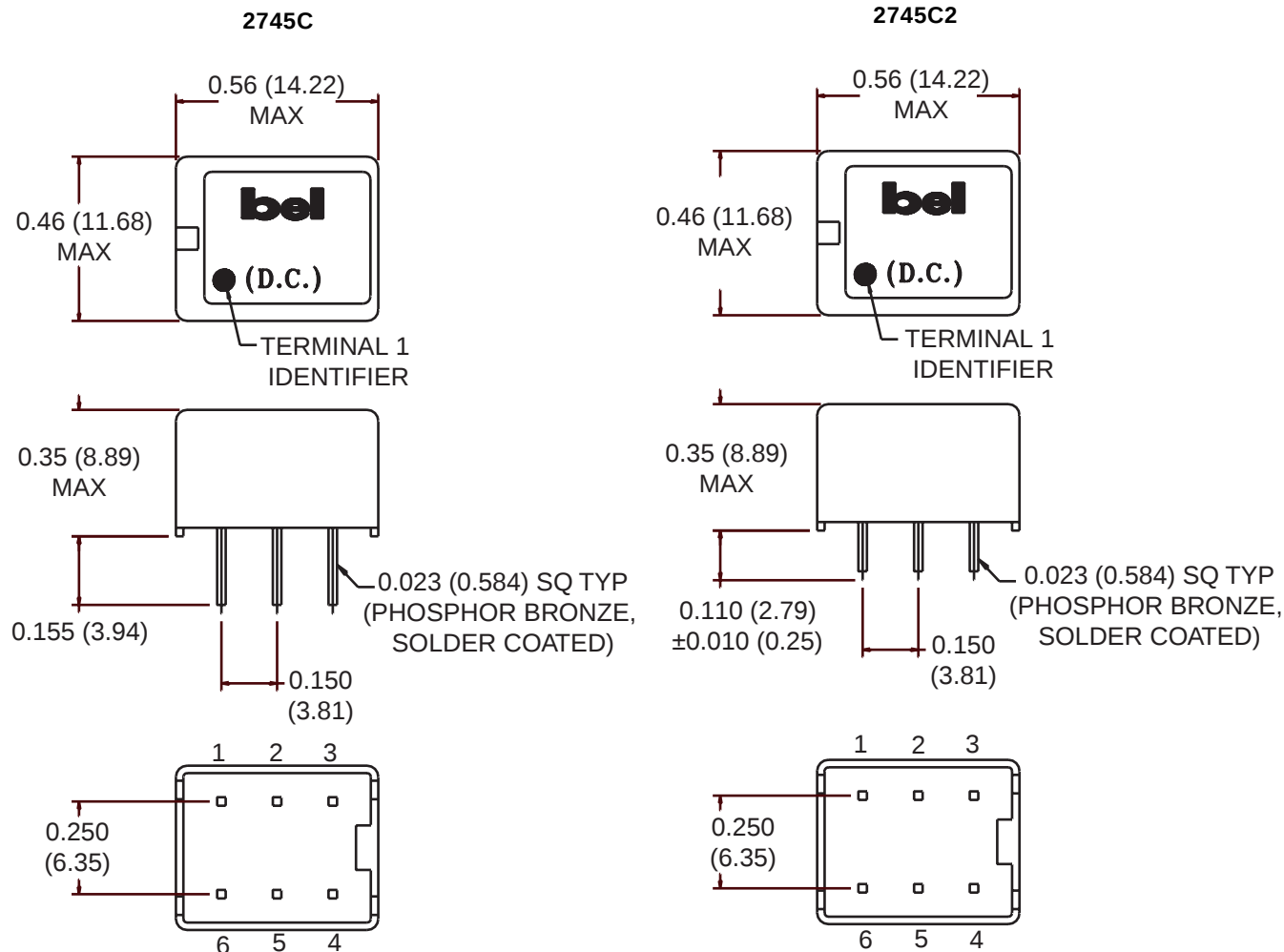
1. measured at 10 kHz, 0.1 Vac

SCHEMATIC

2745C
2745C2



MECHANICAL



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

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