

HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Shielded Transformers

TM00123

- Designed for DS1, DS1C, and CEPT applications
- Electrostatic shield provides improved longitudinal signal suppression and EMI reduction
- Maximum inductance unbalance of center-tapped windings is 0.1%
- 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 ¹	Turns Ratio ± 2%	Primary Inductance ² mH min	Leakage Inductance μH max	DCR Ω max		Interwinding Capacitance ³ pF max	Minimum Interwinding Breakdown Voltage Vrms	Non-Shielded Version
				Pri	Sec			
2741B	1CT : 2CT	4.5	4.5	3.7	7.2	10	1000	2745AF2
2741B2	1CT : 2CT	4.5	4.5	3.7	7.2	10	1000	2745AF2
2741G	1CT : 2CT	3.15	6.5	1.9	4.4	5 ⁴	850	2745AF2
2741G2	1CT : 2CT	3.15	6.5	1.9	4.4	5 ⁴	850	2745AF2
2741C	1 : 1.36CT	0.92	1.1	0.75	1.05	10	1000	2745CA2
2741C2	1 : 1.36CT	0.92	1.1	0.75	1.05	10	1000	2745CA2
2741H	1 : 1.37CT	0.92	2.5	0.83	1.43	5 ⁴	850	2745CA2
2741H2	1 : 1.37CT	0.92	2.5	0.83	1.43	5 ⁴	850	2745CA2

1. A "2" suffix indicates short terminals (see mechanical section)

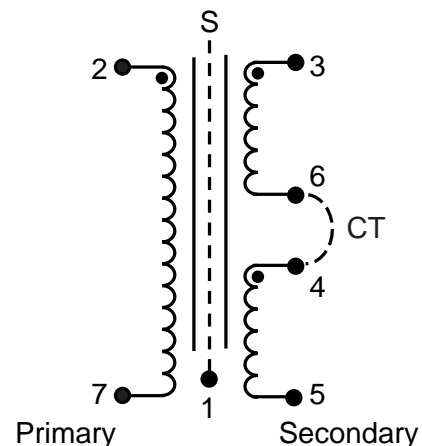
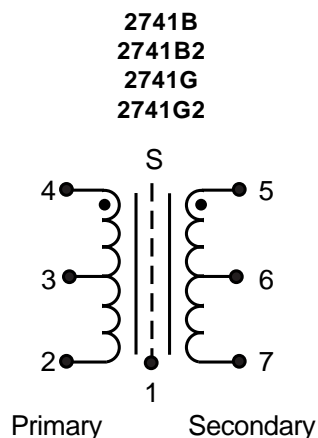
2. measured at 10 kHz, 0.1 Vac

3. with terminal 1 grounded

4. There is an internal connection to terminal 8; do not use

2741C
2741C2
2741H
2741H2

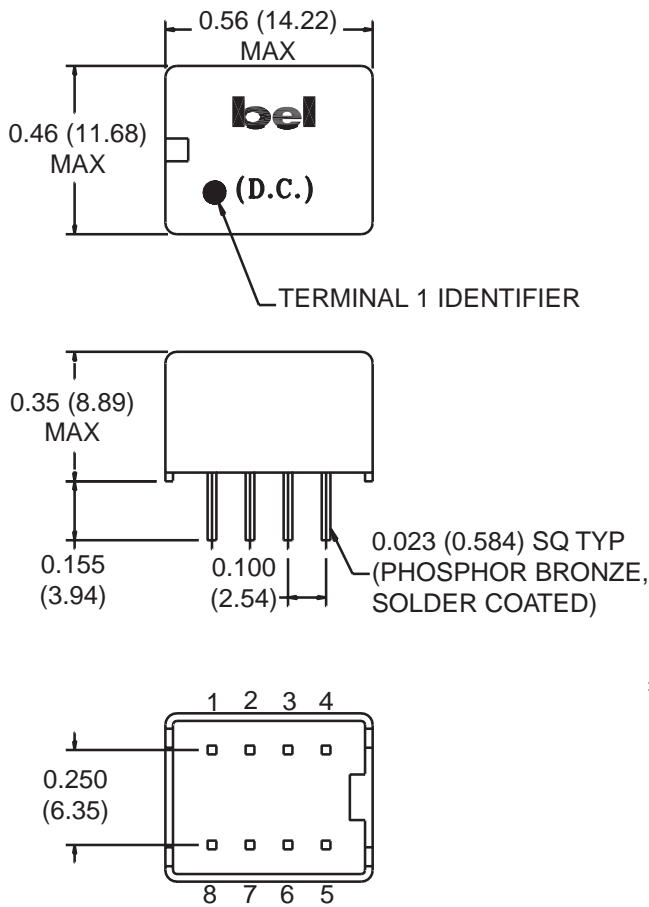
SCHEMATICS



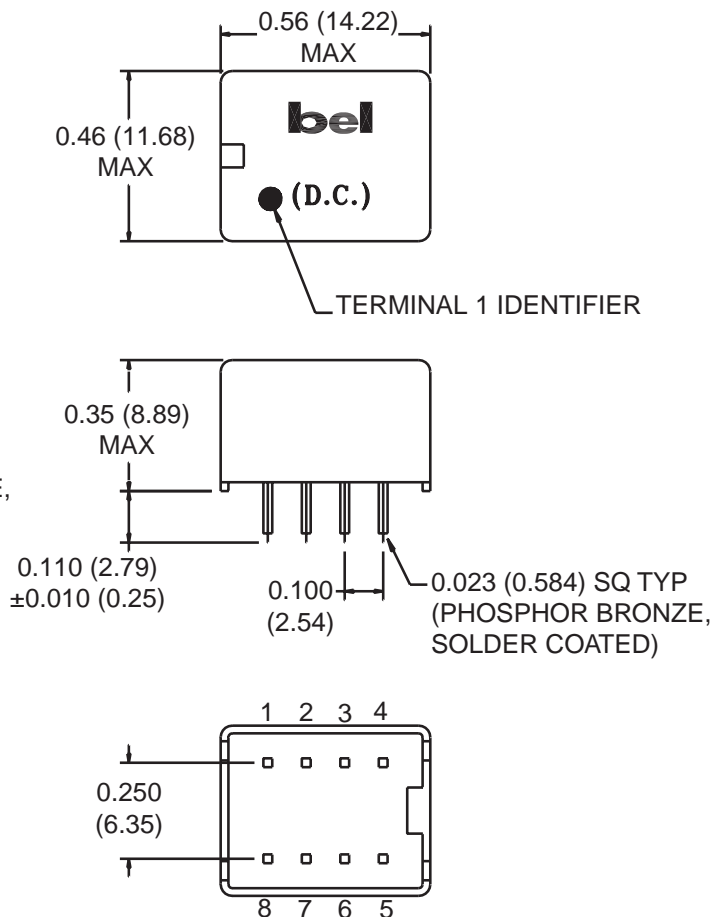
TM00123

MECHANICAL

2741B
2741C
2741G
2741H



2741B2
2741C2
2741G2
2741H2



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

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