

HIGH FREQUENCY MAGNETICS

Specialty Through Hole Shielded Transformer

TM00104

- Operates as high frequency pulse transformer or as high frequency analog transformer in various telecom circuits requiring high voltage-step-up ratio
- Interwinding Electrostatic Shield provides low capacitance and high EMI suppression
- Minimum Interwinding Breakdown Voltage of 500 Vrms
- 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

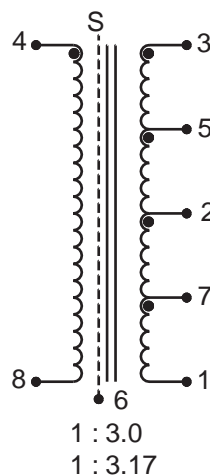
ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Turns Ratio ±2%		Secondary Inductance ¹ μH Min	DCR Ω max		Secondary Leakage Inductance ¹ μH max	Interwinding & Intershield Capacitance			Inductance Unbalance % max
	(4-8) : (5-7)	(4-8) : (3-1)		(3-1)	(4-8)		(3-1)	(3-1)	pF max ²	
2741N2	1 : 3.0	1 : 3.17	660	0.78	2.4	3.0	4	15	20	0.2

- measured at 100 kHz, 0.03 Vac
- between (3-1) and (4-8) with 6 grounded
- between (3-1) and 6 with (4-8) grounded
- between (4-8) and 6 with (3-1) grounded

SCHEMATIC

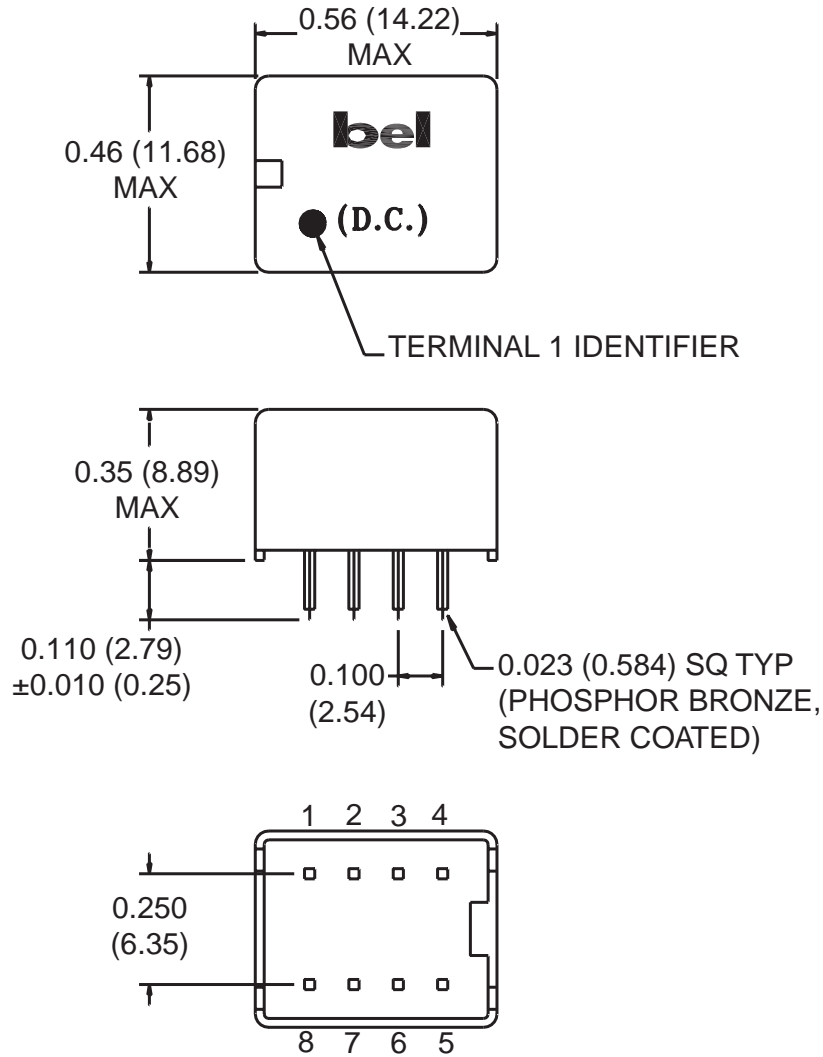
2741N2



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MECHANICAL

2741N2



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

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