

HIGH FREQUENCY MAGNETICS

T1/E1 Surface Mount Transformers

TM00133

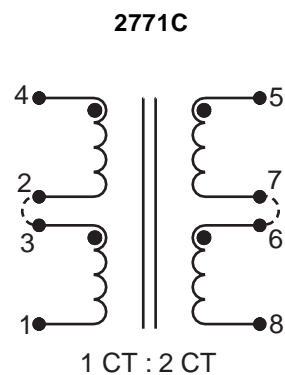
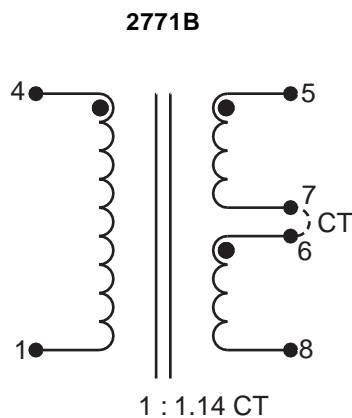
- Operate at the T1 rate of 1.544 Mb/s and the E1 rate of 2.048 Mb/s
- Split windings provide maximum application flexibility
- Minimum interwinding breakdown voltage of 1500 Vrms
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: 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%	Primary Inductance ¹ mH min	Leakage Inductance ² µH max	DCR Ω max		Interwinding Capacitance pF max
	Pri : Sec ³			Pri	Sec ³	
2771B	1 : 1.14 CT	1.75	2	0.8	0.8	80
2771C	1 CT : 2 CT ⁴	3.15 ⁴	3	1.10 ⁴	2.25	30

- measured at 10 kHz, 0.1 Vac
- measured at 100 kHz, 0.1 Vac
- connect 6 to 7
- connect 2 to 3

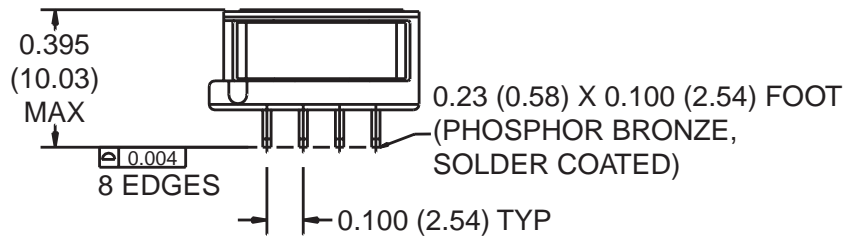
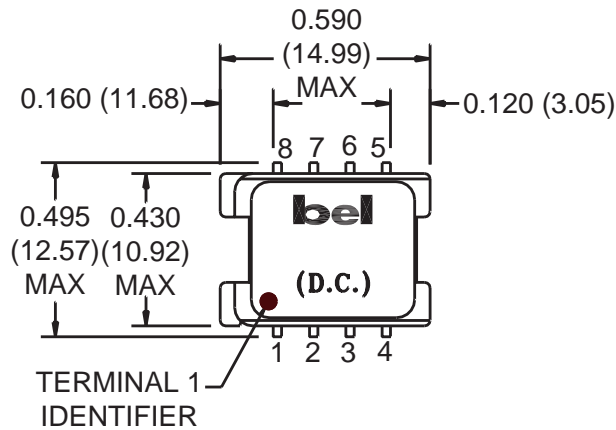
SCHEMATICS



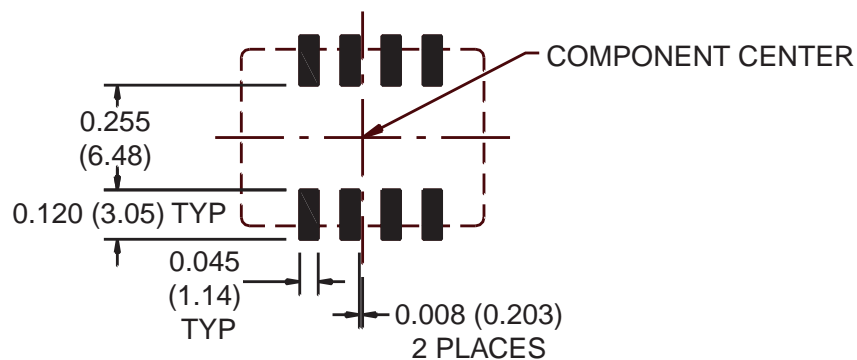
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MECHANICAL

2771B
2771C



RECOMMENDED PCB PATTERN



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

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