

HIGH FREQUENCY MAGNETICS

T1/E1 Surface Mount Transformers

TM00138

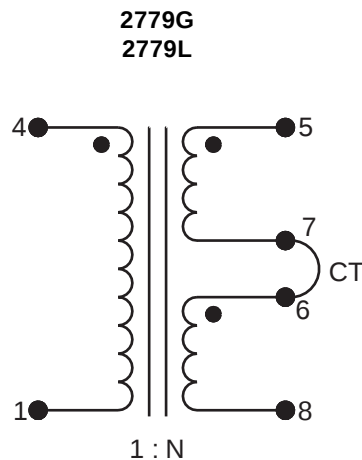
- Operates at the T1 rate of 1.544 Mbits/s and at the E1 rate of 2.048 Mbits/s
- Designed for transmit and receive line interface applications
- Low capacitance design with specific interwinding insulation (2779L)
- 1500 Volt isolation
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 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 ² mH min	DCR Ω max		Leakage Inductance ³ μH max	Interwinding Capacitance ¹ pF	Minimum Interwinding Breakdown Voltage Vrms
	(4-1):(5-8) ¹	(4-1)	(4-1)	(5-8) ¹	(4-1) ¹	(4-1) & (5-8) ¹	
2779G	1 : 1.14 CT	1.80	1.2	1.4	1.3	20 typ	1500
2779L	1 : 1.14 CT	1.25	0.9	0.5	1.8	10 max	1500

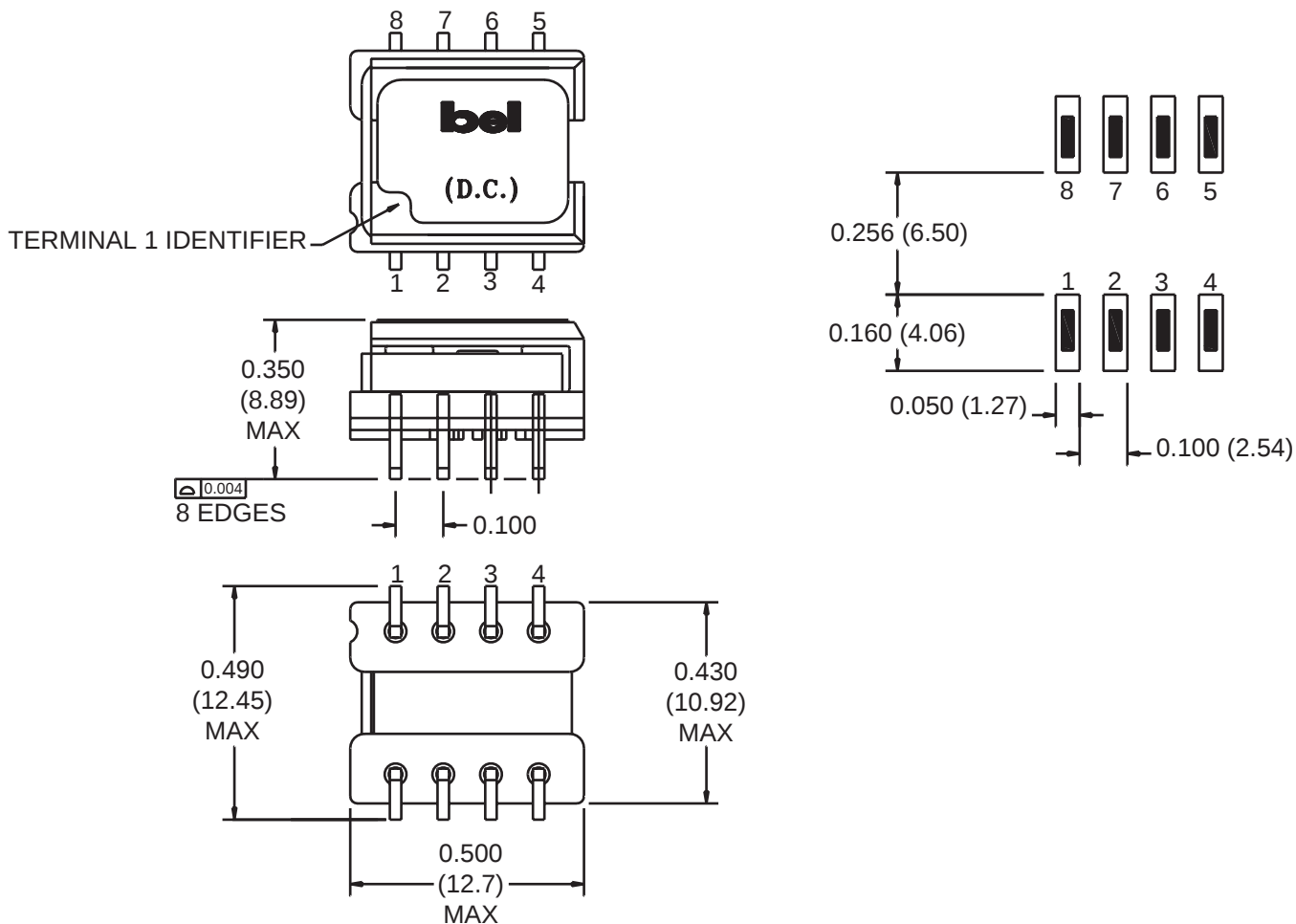
- connect 6 to 7
- measured at 10 kHz, 0.1 Vac
- measured at 100 kHz

SCHEMATIC



MECHANICAL

2779G
2779L



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

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