

HIGH FREQUENCY MAGNETICS

T1/E1 Surface Mount Transformers

TM00138

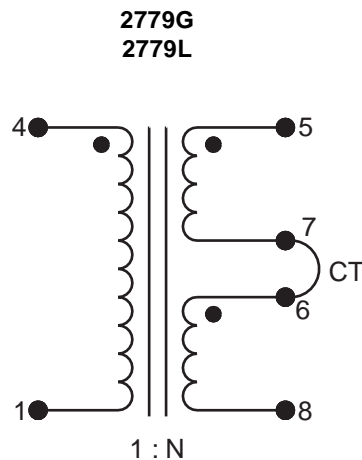
- Operates at the T1 rate of 1.544 Mbits/s and at the E1 rate of 2.048 Mbits/s
- Designed for transmit and receive line interface applications
- Low capacitance design with specific interwinding insulation (2779L)
- 1500 Volt isolation
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 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) | | | |
| 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 |

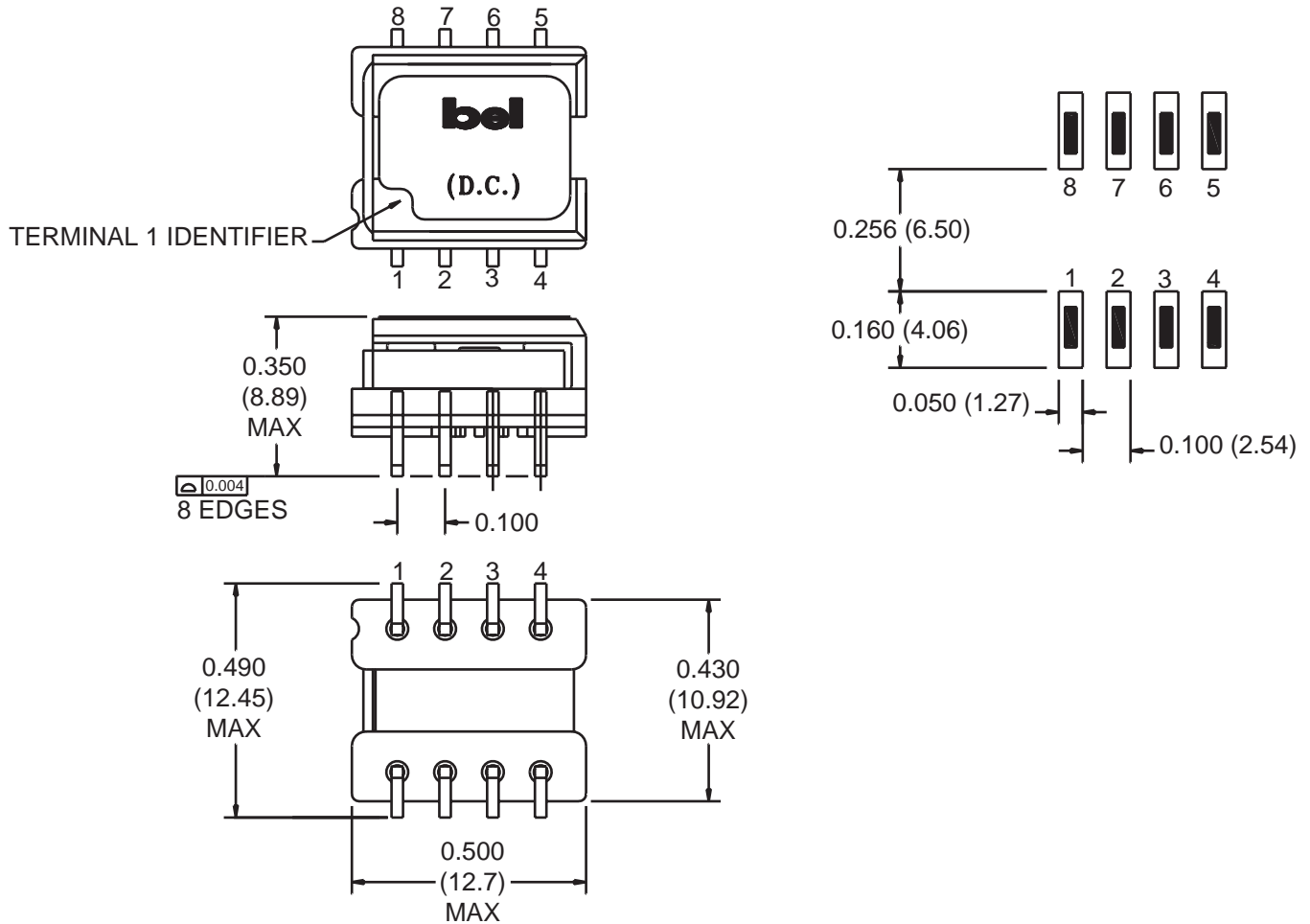
- connect 6 to 7
- measured at 10 kHz, 0.1 Vac
- measured at 100 kHz

SCHEMATIC



MECHANICAL

2779G
2779L



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

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