

# HIGH FREQUENCY MAGNETICS

## T1/E1 Surface Mount Transformers

TM00137

- Operate 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
- 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

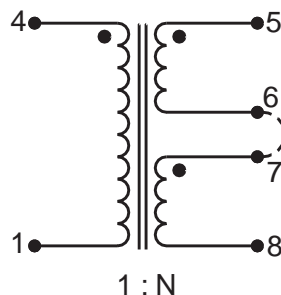
### ELECTRICAL SPECIFICATIONS AT 25° C

| Part Number | Nominal Turns Ratio<br>±2% | Inductance <sup>2</sup><br>mH min | DCR<br>Ω max |       | Leakage Inductance <sup>3</sup><br>μH max | Interwinding Capacitance <sup>4</sup><br>pF | Minimum Interwinding Breakdown Voltage<br>Vrms |
|-------------|----------------------------|-----------------------------------|--------------|-------|---|---|--|
|             | (4-1):(5-8) <sup>1</sup>   |                                   | (4-1)        | (4-1) |   |   |  |
| 2779C       | 1 : 1.36CT                 | 1.0                               | 0.85         | 1.30  | 0.70                                      | 25 max                                      | 1500   |
| 2779J       | 1 : 1.07CT                 | 1.3                               | 0.60         | 1.10  | 0.80                                      | 20 typ                                      | 1500   |

- connect 6 to 7
- measured at 10 kHz, 0.1 Vac
- measured at 100 kHz, 0.1 Vac
- measured at 1 kHz, 1 Vac

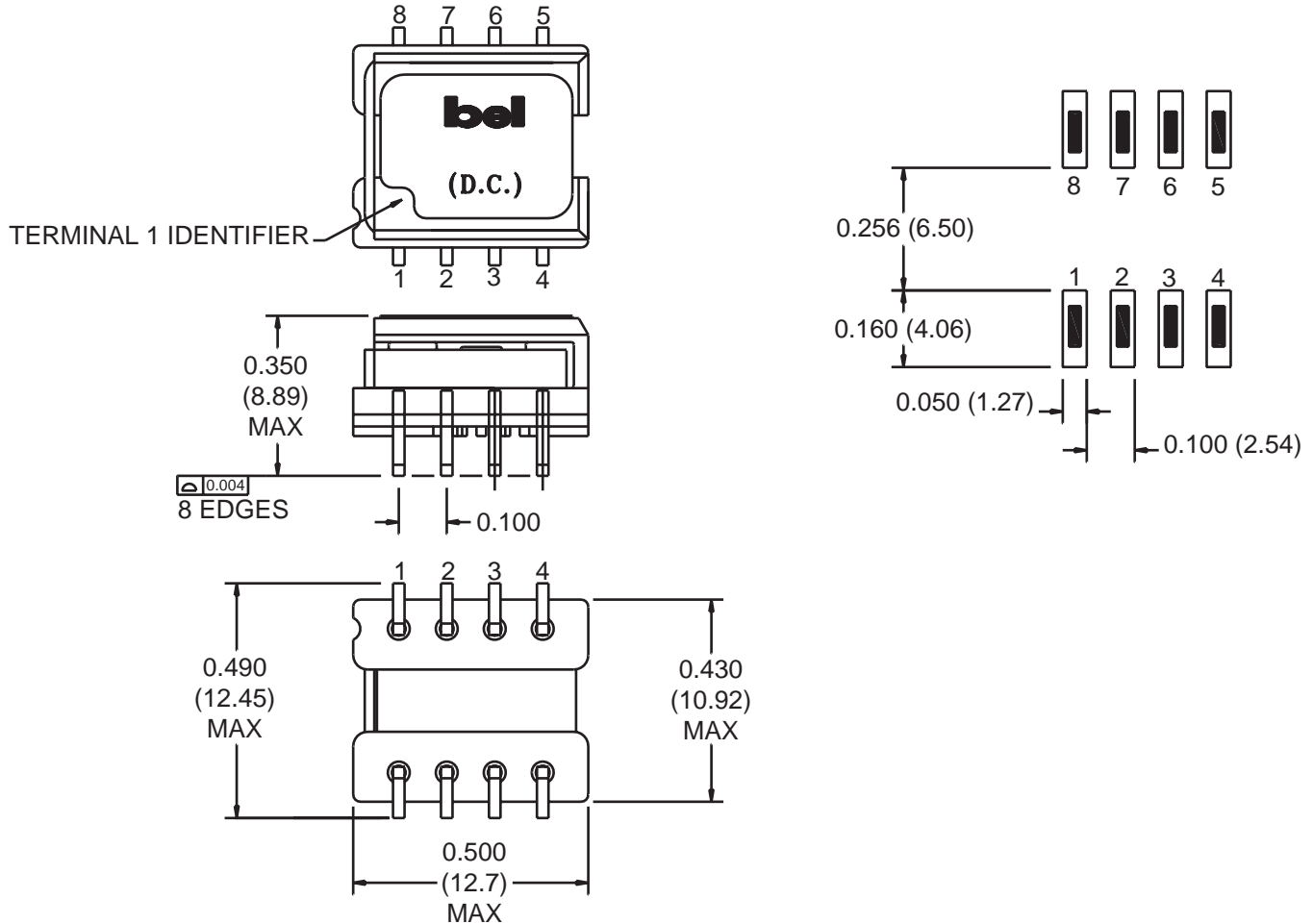
### SCHEMATIC

2779C  
2779J



#### MECHANICAL

2779C  
2779J



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

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