

## HIGH FREQUENCY MAGNETICS

### T1/E1 Through Hole Transformer

TM00119

- Designed for digital signaling interface applications to DS1 or DS1C cross connects (DSX)
- 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

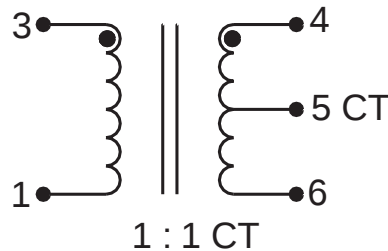
#### ELECTRICAL SPECIFICATIONS AT 25° C

| Part Number | Turns Ratio<br>±2% | Inductance <sup>1</sup><br>mH Min | DCR<br>Ω<br>max |       | Leakage<br>Inductance<br>μH max | Interwinding<br>Capacitance<br>pF max | Minimum<br>Interwinding<br>Breakdown<br>Voltage<br>Vrms |
|-------------|--------------------|-----------------------------------|-----------------|-------|---------------------------------|---------------------------------------|---------------------------------------------------------|
|             | (3-1):(4-6)        | (3-1)                             | (3-1)           | (4-6) | (3-1)                           | (3-1) to (4-6)                        |                                                         |
| 2745AG2     | 1:1CT              | 2.3                               | 0.98            | 1.18  | 2.0                             | 25                                    | 500                                                     |

1. measured 10 kHz, 0.05 Vac

#### SCHEMATIC

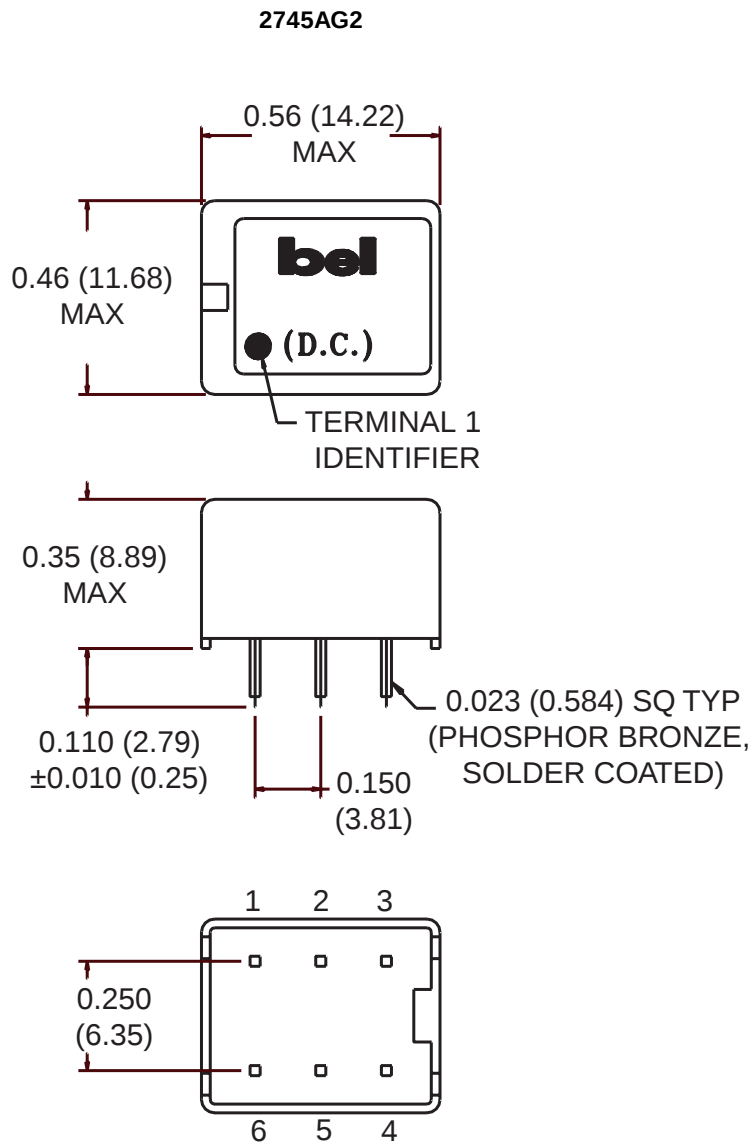
2745AG2



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#### MECHANICAL



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

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T1-44

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