

HIGH FREQUENCY MAGNETICS

Specialty Through Hole Transformer

TM00106

- Operates as pulse transformer
- Operates as analog transformer
- Can be configured as 1 : 1 or 1 : 2 CT isolation transformer
- Can be configured as 1 : 3 auto transformer
- 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

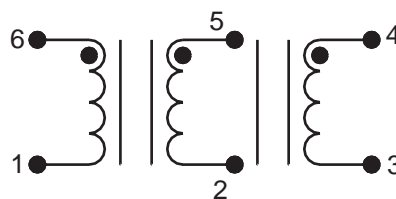
ELECTRICAL SPECIFICATIONS AT 25° C

| Part Number | Turns Ratio ± 2% | Inductance | DCR Ω max | | | Leakage Inductance | Minimum Interwinding Breakdown Voltage |
|-------------|-----------------------|-----------------------------|-----------------|-------|-------|--------------------|--|
| | | 10 kHz, 0.045 Vac mH min | (1-6) | (2-5) | (3-4) | 100 kHz μH min | |
| | (1-6) : (2-5) : (3-4) | (1-6) | (1-6) | (2-5) | (3-4) | (2-5) ¹ | V _{rms} |
| 2745R2 | 1 : 1 : 1 | 1.51 | 2.6 | 2.6 | 2.6 | 1 | 100 |

1. (1-6) & (3-4) shorted

SCHEMATIC

2745R2



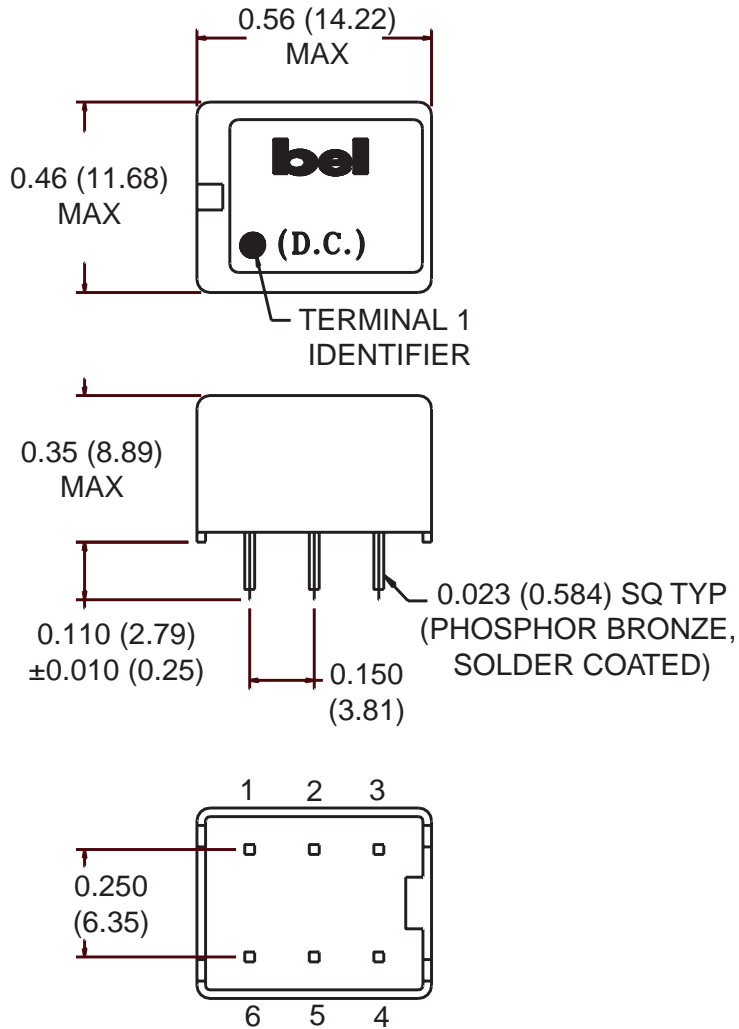
1 : 1 : 1

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MECHANICAL

2745R2



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

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