

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

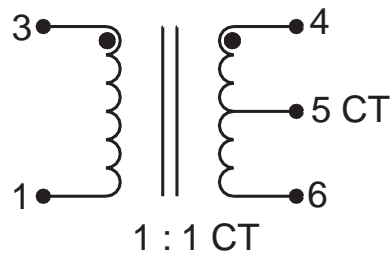
ELECTRICAL SPECIFICATIONS AT 25° C

| Part Number | Turns Ratio ±2% | Inductance ¹ mH Min | DCR Ω max | | Leakage Inductance μH max | Interwinding Capacitance pF max | Minimum Interwinding Breakdown Voltage 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

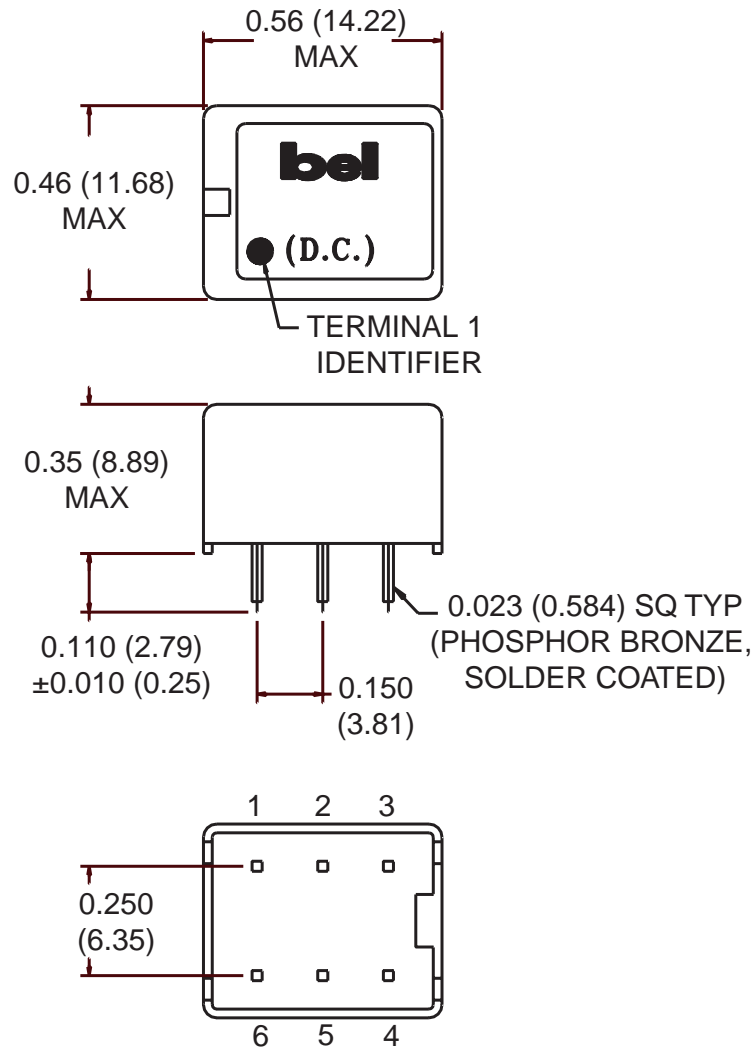


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MECHANICAL

2745AG2



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

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CORPORATE

Bel Fuse Inc.
198 Van Vorst Street
Jersey City, NJ 07302
Tel 201-432-0463
Fax 201-432-9542
www.belfuse.com

T1-44

FAR EAST

Bel Fuse Ltd.
8F / 8 Luk Hop Street
San Po Kong
Kowloon, Hong Kong
Tel 852-2328-5515
Fax 852-2352-3706
www.belfuse.com

EUROPE

Bel Fuse Europe Ltd.
Preston Technology Management Centre
Marsh Lane, Suite G7, Preston
Lancashire, PR1 8UD, U.K.
Tel 44-1772-556601
Fax 44-1772-888366
www.belfuse.com