

HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Transformer

TM00115

- Operates as a line-interface pulse transformer in DS1 and CEPT applications
- Winding (3-2) (2-1) is highly balanced
- Designed for automatic machine placement into printed wiring boards
- Recommended replacement is 2745AF2
- 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

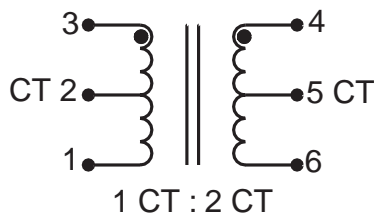
| Part Number | Turns Ratio ± 2% | Inductance ¹ mH min | DCR Ω max | | Leakage Inductance ² μH max | Interwinding Capacitance pF typ | Minimum Interwinding Breakdown Voltage Vrms |
|-------------|---------------------|-----------------------------------|-----------------|-------|---|------------------------------------|--|
| | (3-1) : (4-6) | (3-1) | (3-1) | (4-6) | (3-1) | (3-1) and (4-6) | |
| 2745B | 1CT : 2 CT | 3.5 | 4.9 | 10.2 | 7.0 | 110 | 850 |

1. measured at 10 kHz, 0.1 V

2. measured at 100 kHz, with (4-6) shorted

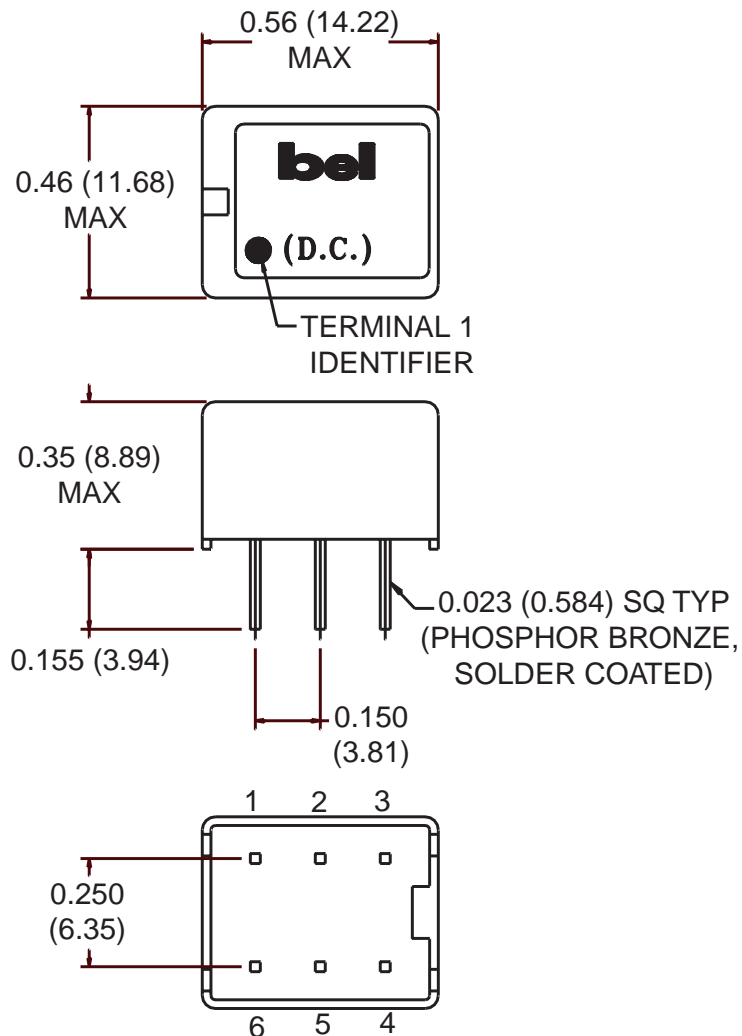
SCHEMATIC

2745B



MECHANICAL

2745B



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

©2000 Bel Fuse Inc. Specifications subject to change without notice. 09.00

CORPORATE

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

T1-36

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