

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

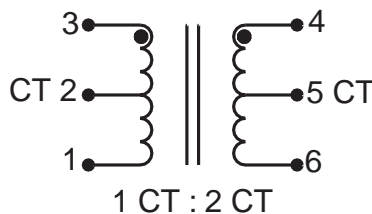
Part Number	Turns Ratio ± 2%	Inductance ¹ mH min	DCR Ω max		Leakage Inductance ² μH max	Interwinding Capacitance pF typ	Minimum Interwinding Breakdown Voltage Vrms
	(3-1) : (4-6)	(3-1)	(3-1)	(4-6)	(3-1)	(3-1) and (4-6)	
2745B	1CT : 2 CT	3.5	4.9	10.2	7.0	110	850

1. measured at 10 kHz, 0.1 V

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

SCHEMATIC

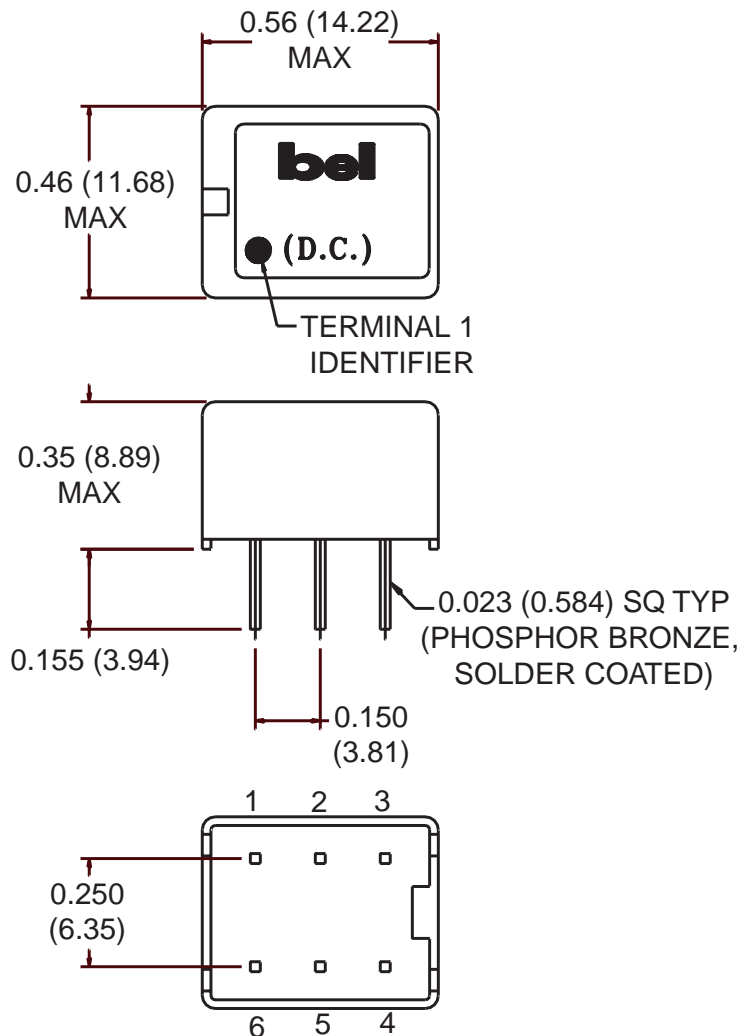
2745B



TM00115

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

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