

HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Magnetics

TM00113

- Operates at the T1 rate of 1.544 Mb/s and the E1 rate of 2.048 Mb/s
- Ideal for T1 repeater applications. Winding (5-1) can be used as a feedback winding
- Maximum inductance unbalance of each center-tapped winding is 0.1%
- 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

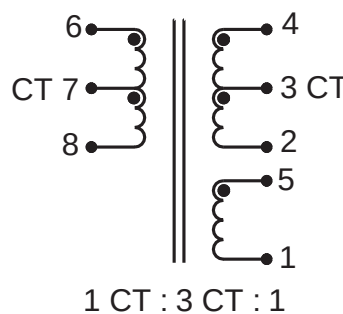
Part Number	Turns Ratio ± 2%		Secondary Inductance ¹ mH min	DCR Ω max			Secondary Leakage Inductance μH min	Minimum Interwinding Breakdown Voltage Vrms
	(6-8) : (4-2)	(6-8) : (5-1)	(4-2)	(6-8)	(4-2)	(5-1)	(4-2) ¹	
2741R2	1 CT : 3 CT	1 CT : 1	8.4	1	2.5	0.8	4.2	850

1. measured at 10 kHz, 0.1 Vac

2. measured at 100 kHz, 0.01 Vac

SCHEMATIC

2741R2

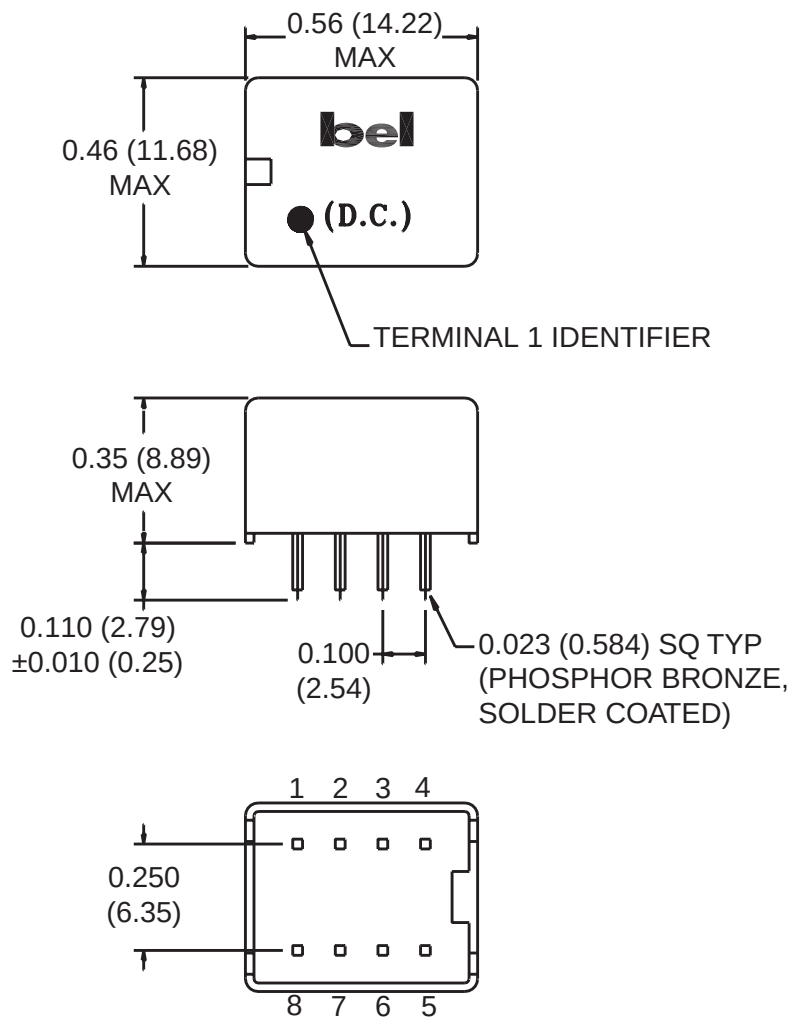


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MECHANICAL

2741R2



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

T1-34

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