

HIGH FREQUENCY MAGNETICS

T1/E1 Dual Ratio Surface Mount Transformer

TM00135

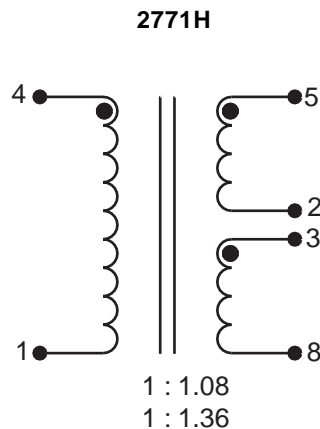
- Operates at the T1 rate of 1.544 Mb/s and the E1 rate of 2.048 Mb/s
- Provides two ratios to handle both 75Ω and 120Ω lines
- Minimum Interwinding Breakdown Voltage of 1500 Vrms
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: 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 ² mH min	DCR Ω max			Interwinding Capacitance pF max		Leakage Inductance ³ μH max		Minimum Interwinding Breakdown Voltage Vrms
	(4-1):(5-2)	(4-1):(5-8) ¹		(4-1)	(5-2)	(5-8) ¹	(4-1) : (5-2)	(4-1) : (5-8) ¹	(4-1) ⁴	(4-1) ⁵	
2771H	1 : 1.08	1 : 1.36	1.85	0.74	3.2	4.0	15	23	1	1.3	1500

- connect 2 to 3
- measured at 10 kHz, 0.1 Vac
- measured at 100 kHz, 0.1 Vac
- with (5-8) shorted and 2 & 3 connected
- with (5-2) shorted

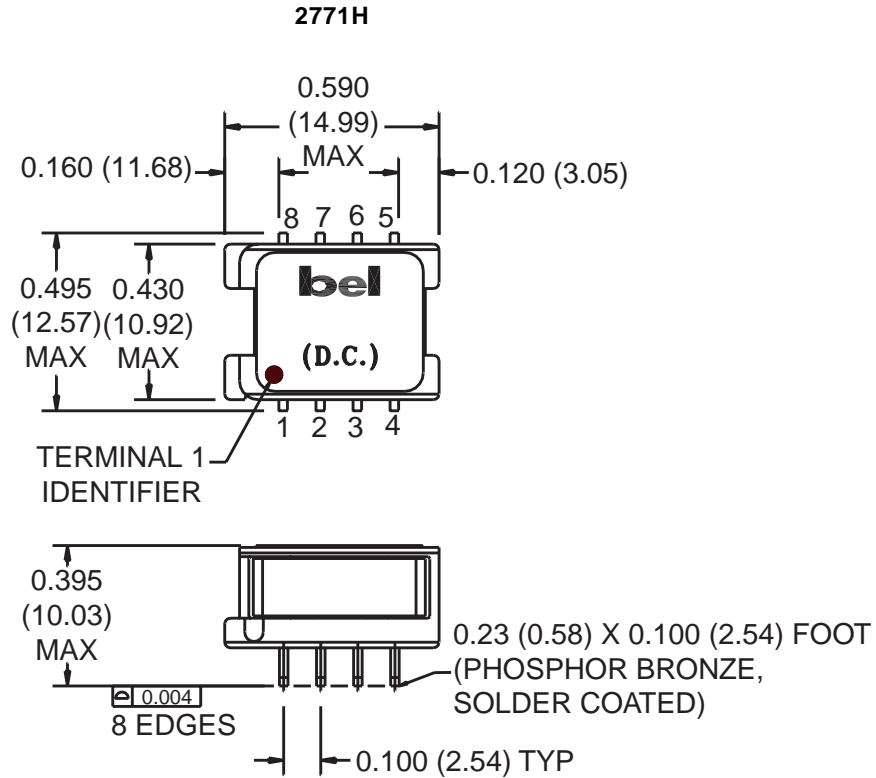
SCHEMATIC



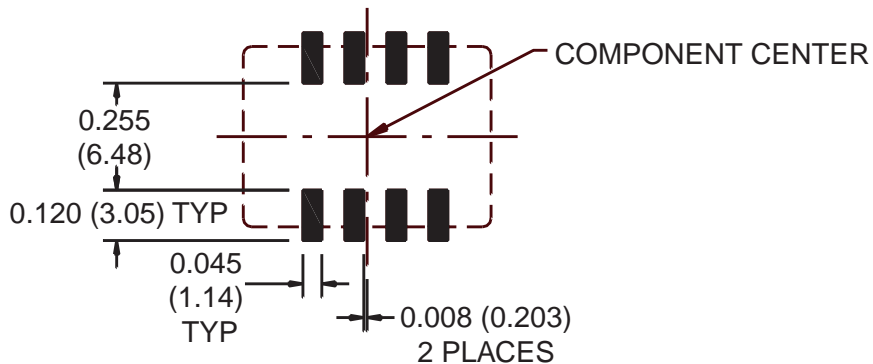
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MECHANICAL



RECOMMENDED PCB PATTERN



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

CORPORATE

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

T1-80

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