

HIGH FREQUENCY MAGNETICS

T1/E1 Surface Mount Transformer

TM01102

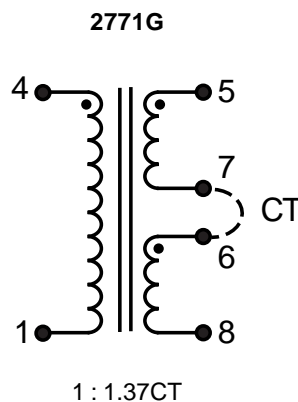
- Operates as a pulse transformer at the T1 rate of 1.544 Mb/s and the E1 rate of 2.048 Mb/s
- Provides voltage transformation and impedance matching for line-interface applications
- All windings are hardened to handle a 6A surge for 1 second
- Recommended drop-in replacement for non-hardened applications is 2779C
- 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	Leakage Inductance ³ µH max	DCR Ω max		Interwinding Capacitance pF typ	Minimum Interwinding Breakdown Voltage Vrms
	(4-1) : (5-8) ¹	(4-1)	(4-1)	(4-1)	(5-8) ¹	(4-1) : (5-8) ¹	
2771G	1 : 1.37CT	0.7	1.2 ³	0.35	0.45	45	850

- With 6 and 7 connected.
- 10 kHz, 0.1 Vac
- 100 kHz, 0.1 Vac

SCHEMATIC

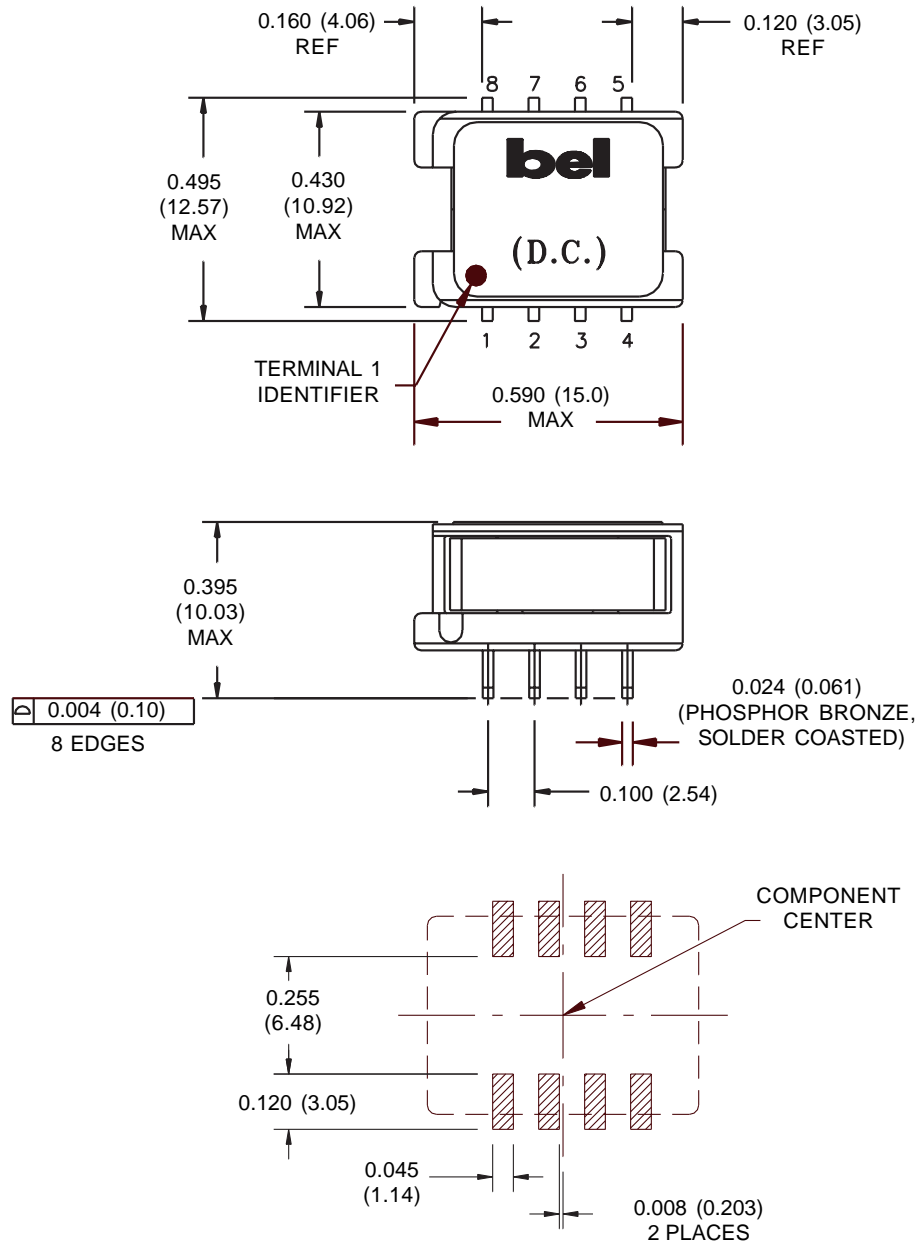


HIGH FREQUENCY MAGNETICS

T1/E1 Surface Mount Transformer

MECHANICAL

2771G



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

©2001 Bel Fuse Inc. Specifications subject to change without notice. 02.01

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 F23, Preston
Lancashire, PR1 8UD, U.K.
Tel 44-1772-556601
Fax 44-1772-888366
www.belfuse.com