

HIGH FREQUENCY MAGNETICS

T1/E1 Through Hole Hardened Transformers

TM00128

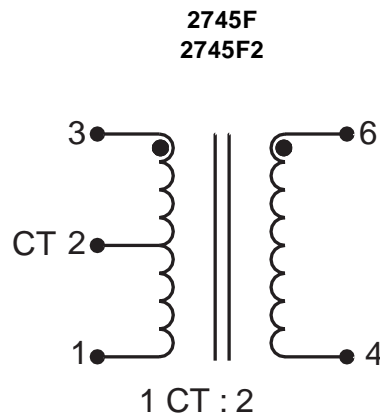
- Designed to operate at the DS1 rate of 1.544 Mbits/s as a line interface transformer
- Only difference between 2745F and 2745F2 is the terminal length
- Winding (3-1) can handle a 6 A surge current for 1 second
- Designed for remote powering with simplex-feed current
- Operating temperature range: -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	Nominal Turns Ratio ±2%	Inductance ¹ mH Min	DCR Ω				Leakage Inductance μH max	Minimum Interwinding Breakdown Voltage Vrms
			(3-1)		(4-6)			
			max	min	max	min		
2745F	1CT : 2	3.15	0.65	0.42	5.2	4.3	1.7	850
2745F2	1CT : 2	3.15	0.65	0.42	5.2	4.3	1.7	850

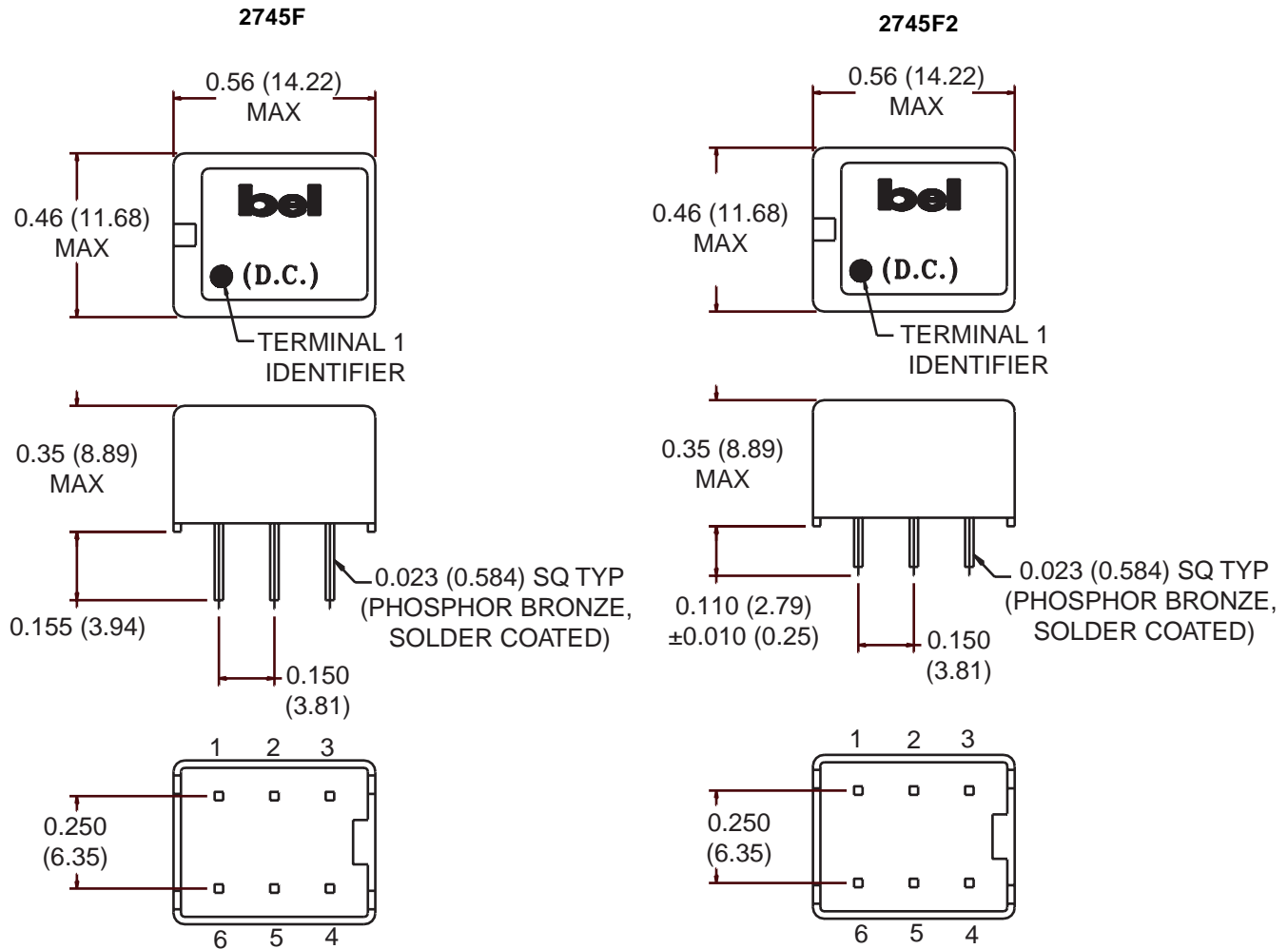
1. measured at 10 kHz, 0.1 Vac

SCHEMATIC



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MECHANICAL



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

T1-64

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