

# HIGH FREQUENCY MAGNETICS

## T1/E1 Through Hole Transformers

TM00116

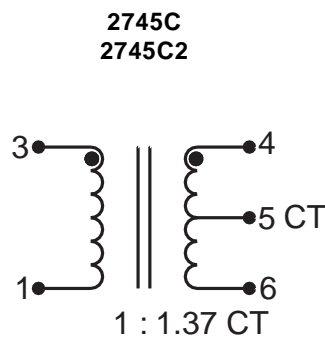
- Designed to operate at the rate of 1.544 Mbits/s as a line interface pulse transformer
- Only difference between the 2745C and 2745C2 is the terminal length
- Operating temperature range: -40°C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Reliability testing: Shock, vibration, temperature cycling, temperature - humidity - bias

### ELECTRICAL SPECIFICATIONS AT 25° C

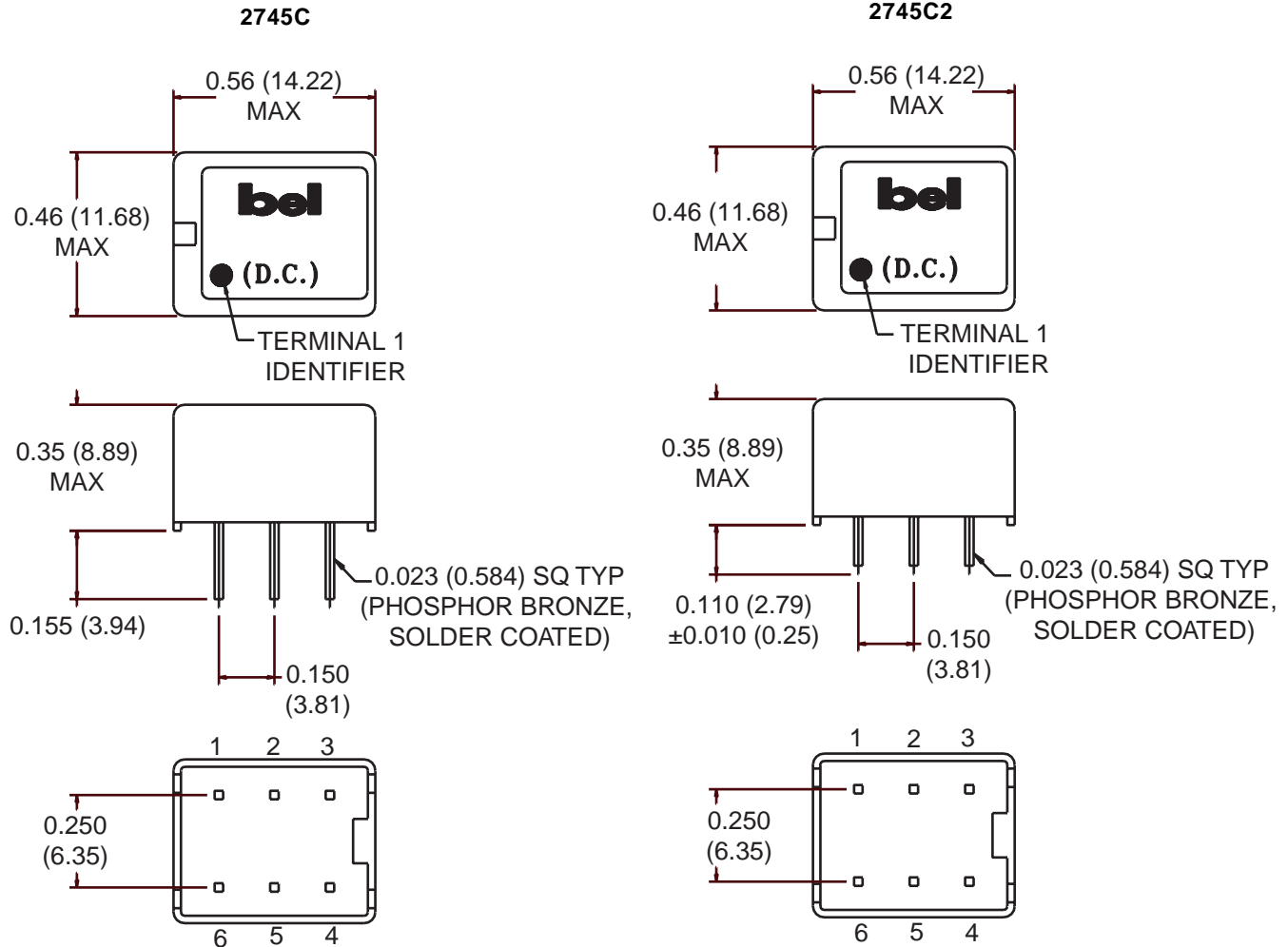
Part Number	Nominal Turns Ratio ± 2%	Inductance <sup>1</sup> µH Min	DCR Ω max		Leakage Inductance µH max	Interwinding Capacitance pF max	Minimum Interwinding Breakdown Voltage Vrms
	(3-1):(4-6)		(3-1)	(3-1)			
2745C	1 : 1.37 CT	680	1.0	1.4	1.2	85	850
2745C2	1 : 1.37 CT	680	1.0	1.4	1.2	85	850

1. measured at 10 kHz, 0.1 Vac

### SCHEMATIC



#### 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

#### 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