

# HIGH FREQUENCY MAGNETICS

## T1/E1 Single Through Hole Transformer

TM00156

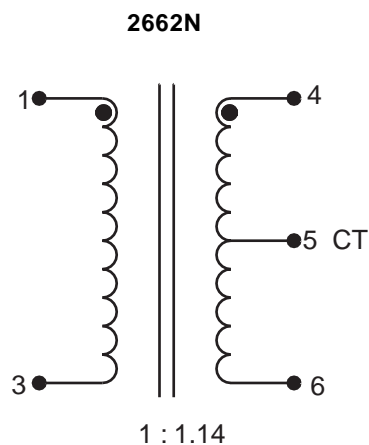
- Operates at the DS1 rate of 1.544 Mbits/s and the CEPT rate of 2.048 Mb/s
- Inductance unbalance of center-tapped winding is 0.3%, max
- Recommended transformer for new through-hole applications is 2745G3
- Operating Temperature Range: -40° to +85° C
- Meets IEC 695, 2-2 flammability requirements
- 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 <sup>1</sup> µH min	DCR Ω max		Leakage Inductance <sup>2</sup> µH max	Maximum Interwinding Capacitance pF	Primary ET Constant V-µs	Minimum Interwinding Breakdown Voltage Vrms
	(1-3):(4-6)		(1-3)	(1-3)				
2662N	1 : 1.14 CT	650	1.0	1.2	1.3	30	21	500

1. measured at 10 kHz, 0.1 Vac  
2. measured at 100 kHz, 0.1 Vac

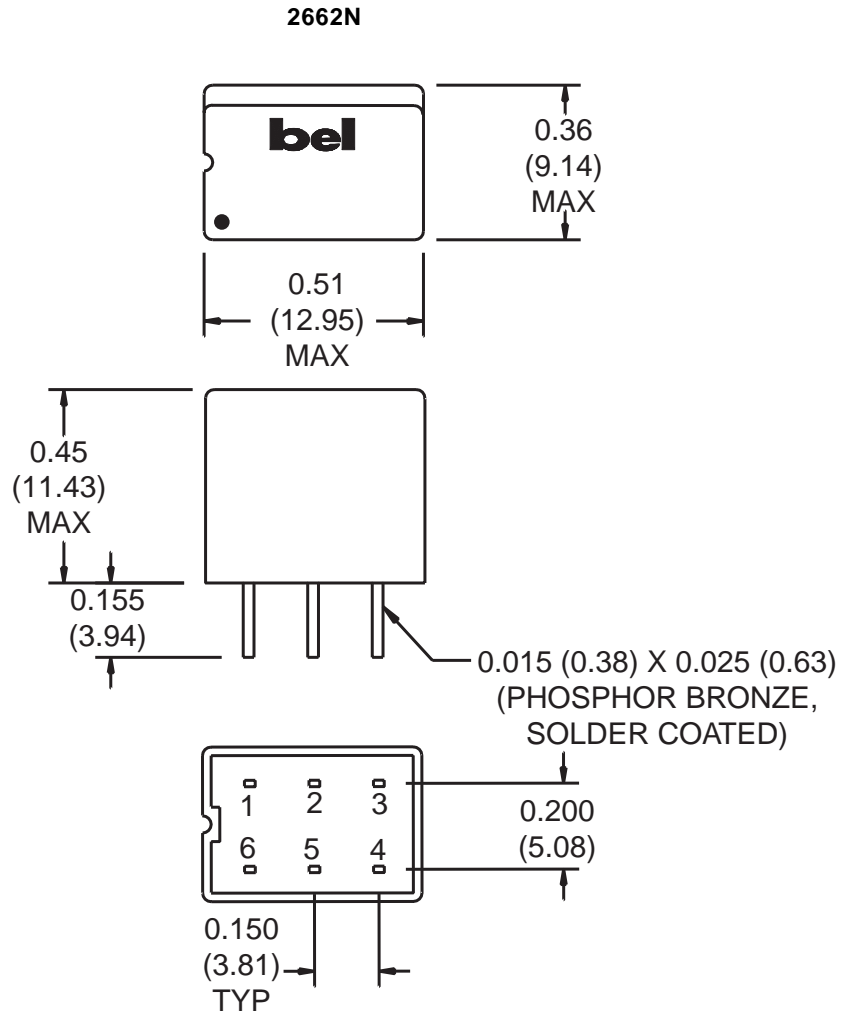
### SCHEMATIC



## HIGH FREQUENCY MAGNETICS

### T1/E1 Single Through Hole Transformer

### 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