

# HIGH FREQUENCY MAGNETICS

## T1/E1 Single Through Hole Transformers

TM00155

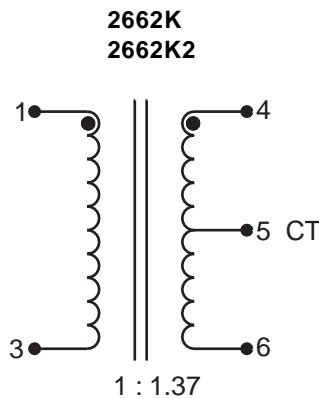
- Operate over DS1 rates (1.544 Mbits/s) and CEPT international rates (2.048 Mbits/s)
- Service the transmit side of the line interface
- Only difference between 2662K and 2662K2 is the terminal length
- Inductance unbalance of center-tapped winding is 0.3%, max
- Recommended transformer for new through-hole applications is 2745CA2
- 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 μH min <sup>1</sup>	DCR Ω max		Leakage Inductance <sup>2</sup> μH max	Effective Distributed Capacitance pF	Primary ET Constant V-μs	Minimum Interwinding Breakdown Voltage Vrms
	(1-3):(4-6)		(1-3)	(4-6)				
2662K	1 : 1.37 CT	680	1.0	1.4	1.3	15	21	500
2662K2	1 : 1.37 CT	680	1.0	1.4	1.3	15	21	500

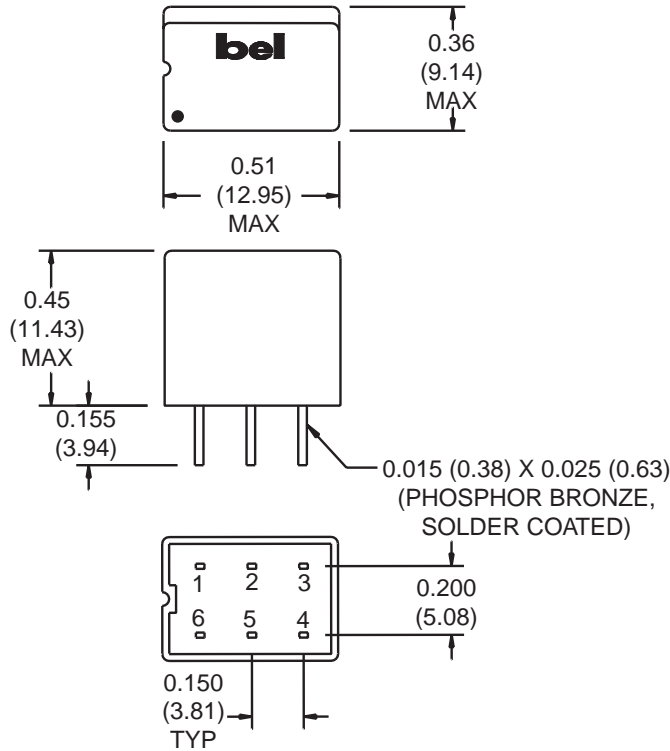
1. measured at 10 kHz, 0.1 Vac  
2. measured at 100 kHz, 0.1 Vac

### SCHEMATIC

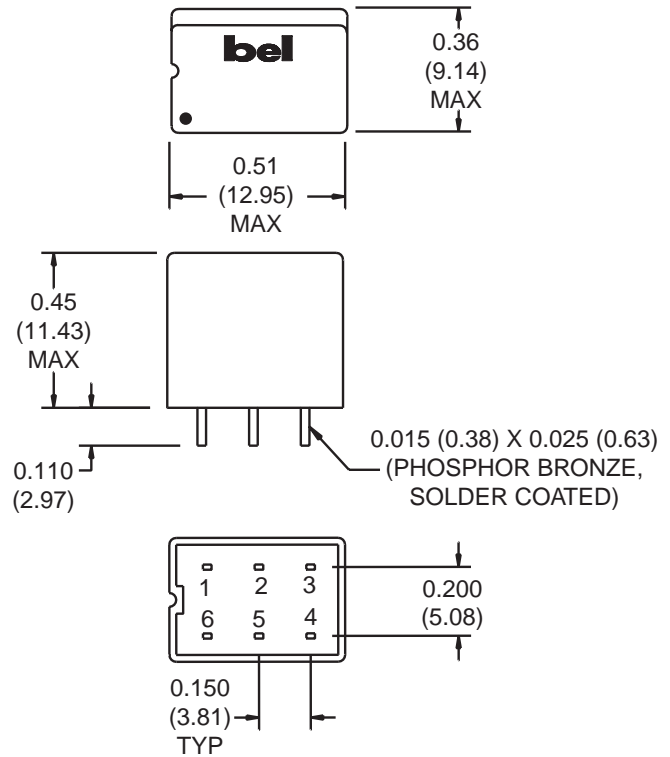


#### MECHANICAL

2662K



2662K2



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

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