

HIGH FREQUENCY MAGNETICS

T1/E1 Single Through Hole Transformers

TM00155

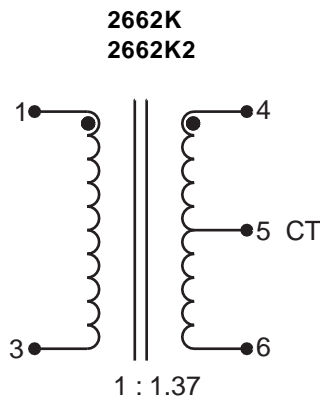
- Operate over DS1 rates (1.544 Mbits/s) and CEPT international rates (2.048 Mbits/s)
- Service the transmit side of the line interface
- Only difference between 2662K and 2662K2 is the terminal length
- Inductance unbalance of center-tapped winding is 0.3%, max
- Recommended transformer for new through-hole 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 ¹	DCR Ω max		Leakage Inductance ² 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

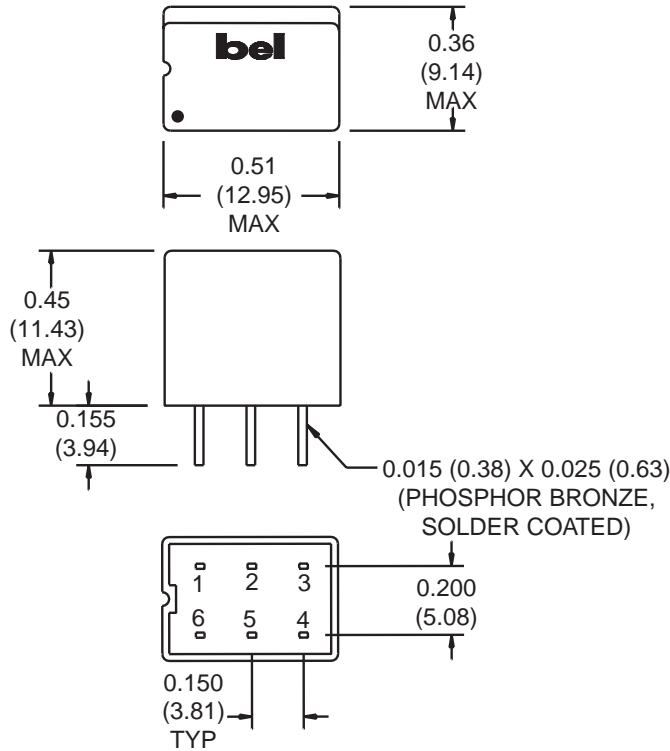
1. measured at 10 kHz, 0.1 Vac
2. measured at 100 kHz, 0.1 Vac

SCHEMATIC

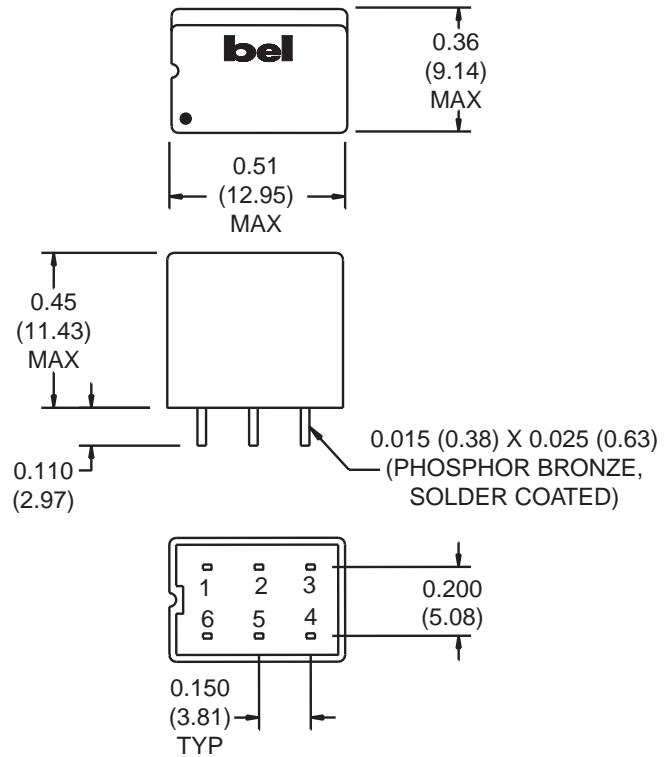


MECHANICAL

2662K



2662K2



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

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