

# HIGH FREQUENCY MAGNETICS

## T1/E1 Through Hole Transformer

TM01103

- Operates at the DS1 rate of 1.544 Mbits/s
- Provides high step-up ratio
- Provides monitoring via winding (5-1)
- 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

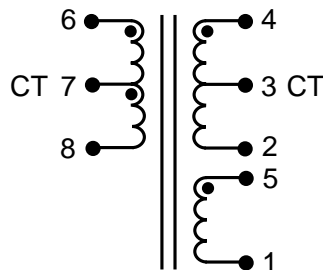
### ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Turns Ratio ±2%		Primary Inductance mH min <sup>1</sup>	DCR Ω max			Leakage Inductance μH max <sup>2</sup>	Interwinding Capacitance pF max	Minimum Interwinding Breakdown Voltage Vrms
	(6-8) : (5-1) : (4-2)	(4-2)		(6-8)	(4-2)	(5-1)			
2741E2	1 : 2.42	1 : 2.42	9.9	0.63	1.96	0.51	5.5	65	850

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

### SCHEMATIC

2741E2

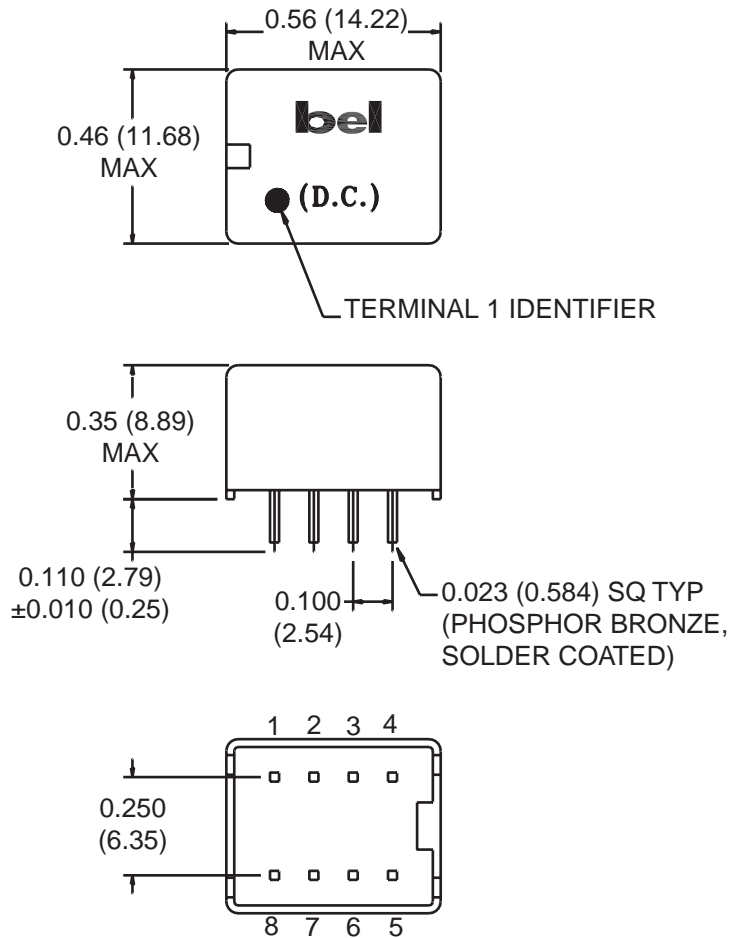


1CT : 3.55CT : 1

TM01103

#### MECHANICAL

#### 2741E2



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

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