

HIGH FREQUENCY MAGNETICS

T1/E1 Single THT Shielded Hardened Transformer

TM00122

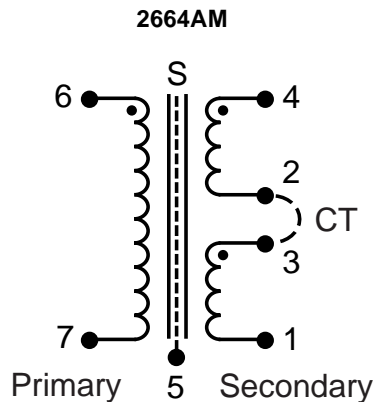
- Designed for T1 carrier applications at 1.544 Mbps
- Typical application is to isolate telecom equipment such as CSUs and office repeaters from the T1line
- Maximum ac current rating is 140mA for winding (6 - 7) and 280mA for winding (4 - 1)
- Winding (4 - 1) is hardened to handle 6 amp current for one second with no damage
- Compatible with water-soluble flux, total-immersion cleaning, and machine insertion
- Shielded transformer reduces EMI
- Designed for 100Ω terminating impedances
- Minimum interwinding breakdown voltage of 1000 Vrms
- Meets IEC-695, 2-2 flammability requirements
- Qualified per Bellcore TR-TSY-000357-1

ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio ± 2%	Primary Inductance* mH min	Leakage Inductance μH max	DCR Ω max		Interwinding Capacitance pFmax
	Pri : Sec			Pri	Sec	
2664AM	1 : 1 CT	1.5	3.5	1.0	0.5	5 with terminal 5 grounded

* Measured at 10 kHz, 0.1 Vac

SCHEMATIC



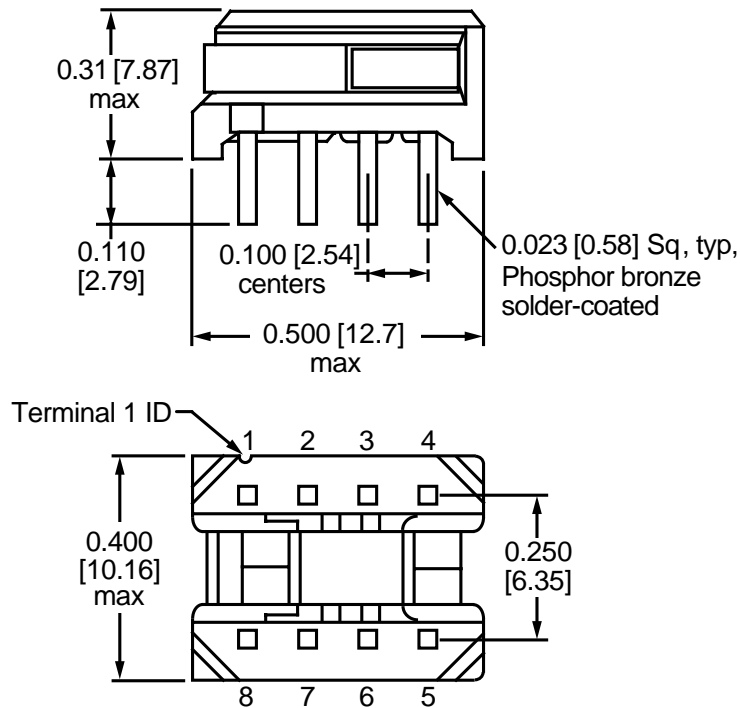
Note: Noise suppression is improved by connecting the shield, terminal 5, to equipment frame ground.

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MECHANICAL

2664AM



Note: Unless otherwise specified, dimensions are nominal and in inches [millimeters].

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