

HIGH FREQUENCY MAGNETICS T1/E1 Dual Surface Mount Transformer

TM01124

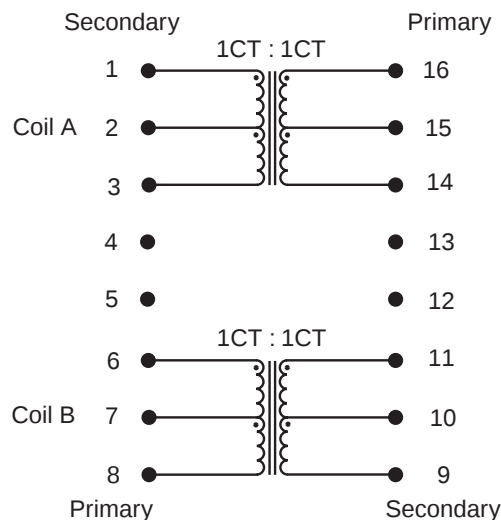
- Optimized for Intel LXT3108
- Quad version with common mode chokes available as S553-6500-80
- Meets ITU-T G.703 return loss from -40° to +85° C
- UL 1950 approved: file number E150991
- Operating temperature range -40° to +85°C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Reliability testing: Shock, vibration, temperature cycling, temperature - humidity - bias
- Interwinding breakdown voltage: 1500 Vrms min

ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio ±2%		Primary Inductance at 10 kHz		Leakage Inductance at 1 MHz		DCR Ω max				Capacitance pF max	Return Loss at 102 kHz 120Ω Application	
	Pri : Sec		mH min		μH max		Primary		Secondary		Pri to Sec	25° C dB typ	-40 to +85° C dB min
	Coil A	Coil B	Coil A	Coil B	Coil A	Coil B	Coil A	Coil B	Coil A	Coil B			
S553-6500-C9	1CT : 1CT	1CT : 1CT	1.8	1.8	0.5	0.5	0.6	0.6	0.6	0.6	35	32	19

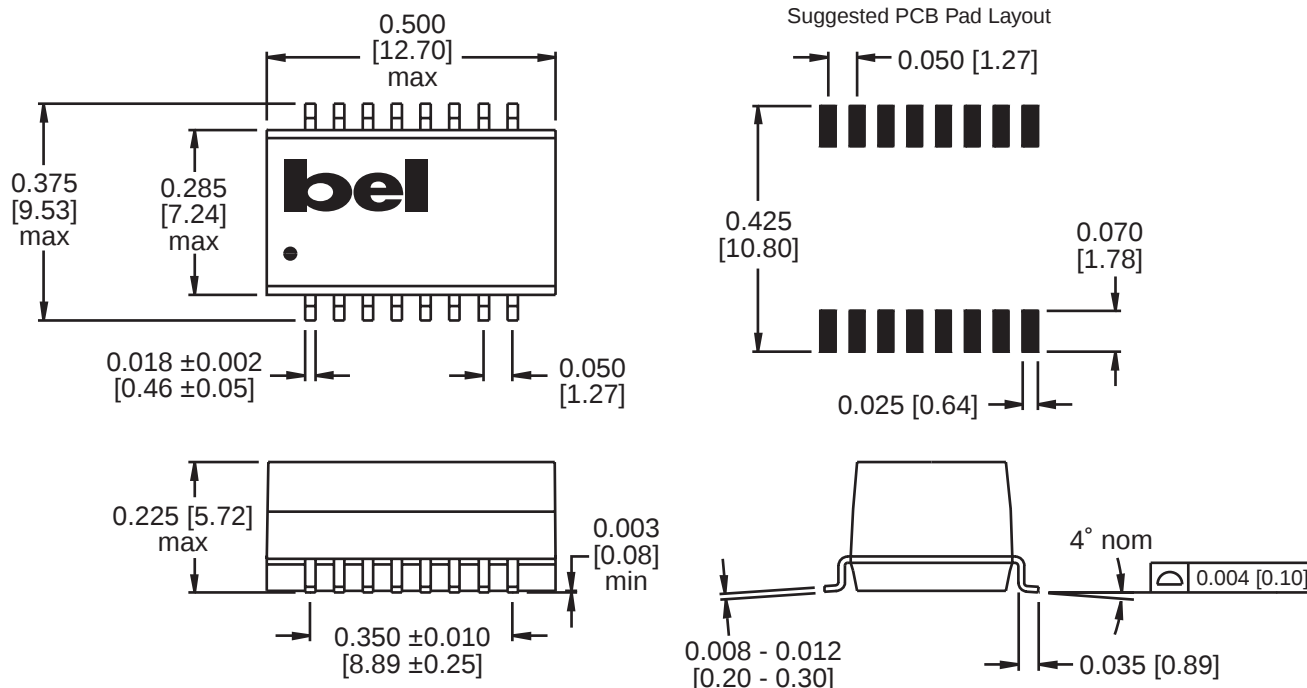
SCHEMATIC

S553-6500-C9



MECHANICAL

S553-6500-C9



Dimensions are in inches [millimeters].
Standard dimension tolerance is ±0.005 [0.13] unless otherwise noted.

Tape and Reel Packaging

24 mm wide by 12 mm pitch; 13 inch OD, 4 inch ID
750 modules per reel, maximum
Meets ANSI/EIA 481-2 Carrier Tape Standards - JEDEC SO Package

CORPORATE

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