

HIGH FREQUENCY MAGNETICS

T1/E1 Mini-Octal Transformer Module

TM01107

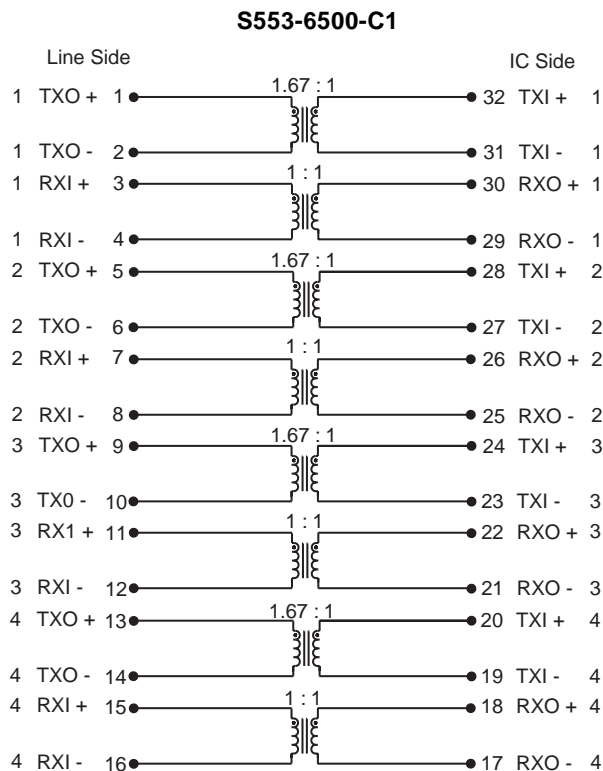
- Optimized for paralleled receive line inputs
- Eight transformers in a single surface-mount package
- Mini-octal 32-pin platform provides 33% area reduction compared to standard octal package
- Tight ratio tolerance assists impedance matching
- RXI meets ITU-T G.703 return loss requirements when RXO is terminated in 102Ω
- Operating temperature range: -40° to +85°C
- Meets IEC 695, 202 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%		Inductance ¹ mH min		Leakage Inductance ¹ µH max		Interwinding Capacitance pF Max		DCR Ω max			
	TXI:TXO	RXI:RXO	TXI	RXI	TXI	RXI	TX	RX	TXI	TXO	RXI	RXO
S553-6500-C1	1 : 1.67	1 : 1	0.3	2.0	0.3	0.5	20	35	0.3	0.5	0.6	0.6

1. 100 kHz, 0.1 Vrms

SCHEMATIC

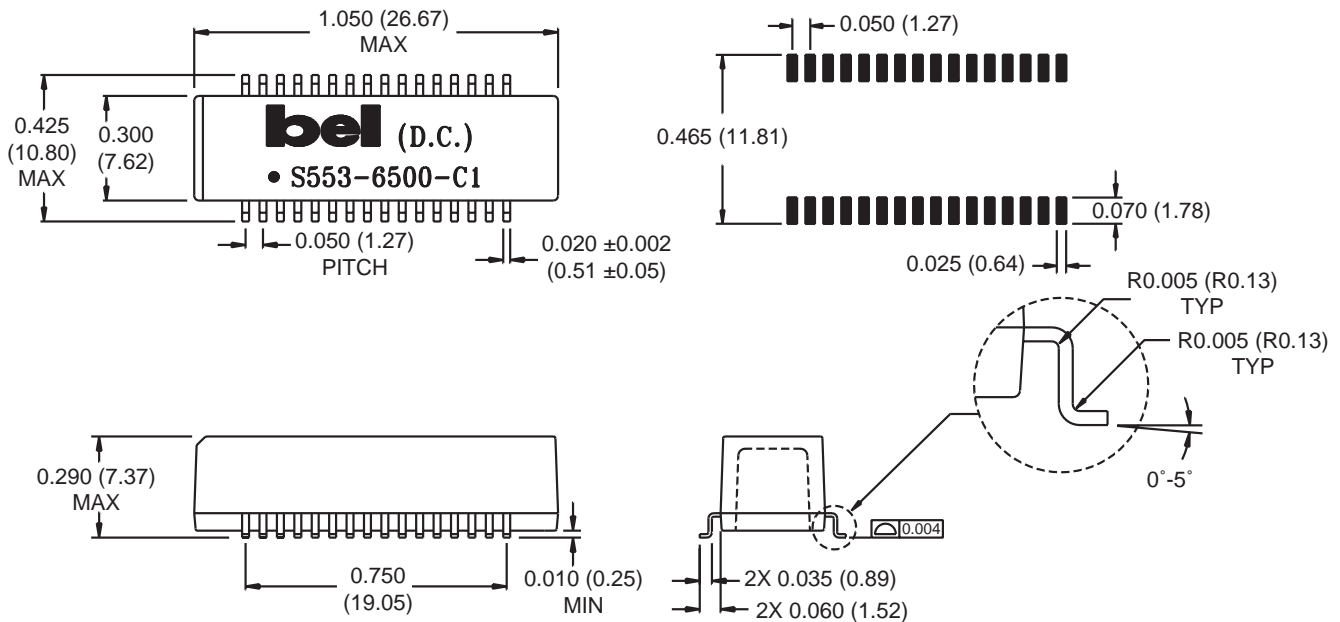


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MECHANICAL

S553-6500-C1



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

Tape and Reel Packaging

44 mm wide by 16 mm pitch; 13 inch OD, 4 inch ID
400 modules per reel, maximum
Meets ANSI/EIA 481-2 Carrier Tape Standards - JEDEC SO Package

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