



THE DATASHEET OF
S558-5500-13-F



VOICE OVER IP MAGNETICS

Broadband Transformers

S558-5500-13

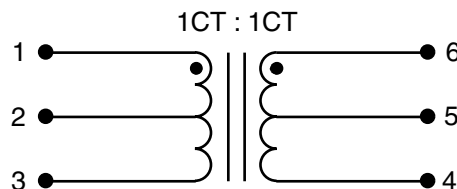
- Support 10 Mbps and 100 Mbps VoIP applications
- Compliant with IEEE 802.3 standards
- Designed to meet 350mA balanced DC line current
- Operating temperature 0° to 70° C
- Minimum interwinding breakdown voltage of 1500 Vrms

ELECTRICAL SPECIFICATIONS AT 25° C

Turns Ratio ±3%		Insertion Loss dB min	Return Loss		Primary Inductance μH min	Leakage Inductance μH max	Interwinding Capacitance pF max	DCR Ω max			
TXIN : TXO	RXIN : RXO		100kHz to 100MHz	2MHz to 30MHz				60MHz to 80MHz	TXIN	TXO	RXIN
1CT : 1CT	1CT : 1CT	-0.5	-16	-10	400	0.4	20	0.5	0.5	0.5	0.5

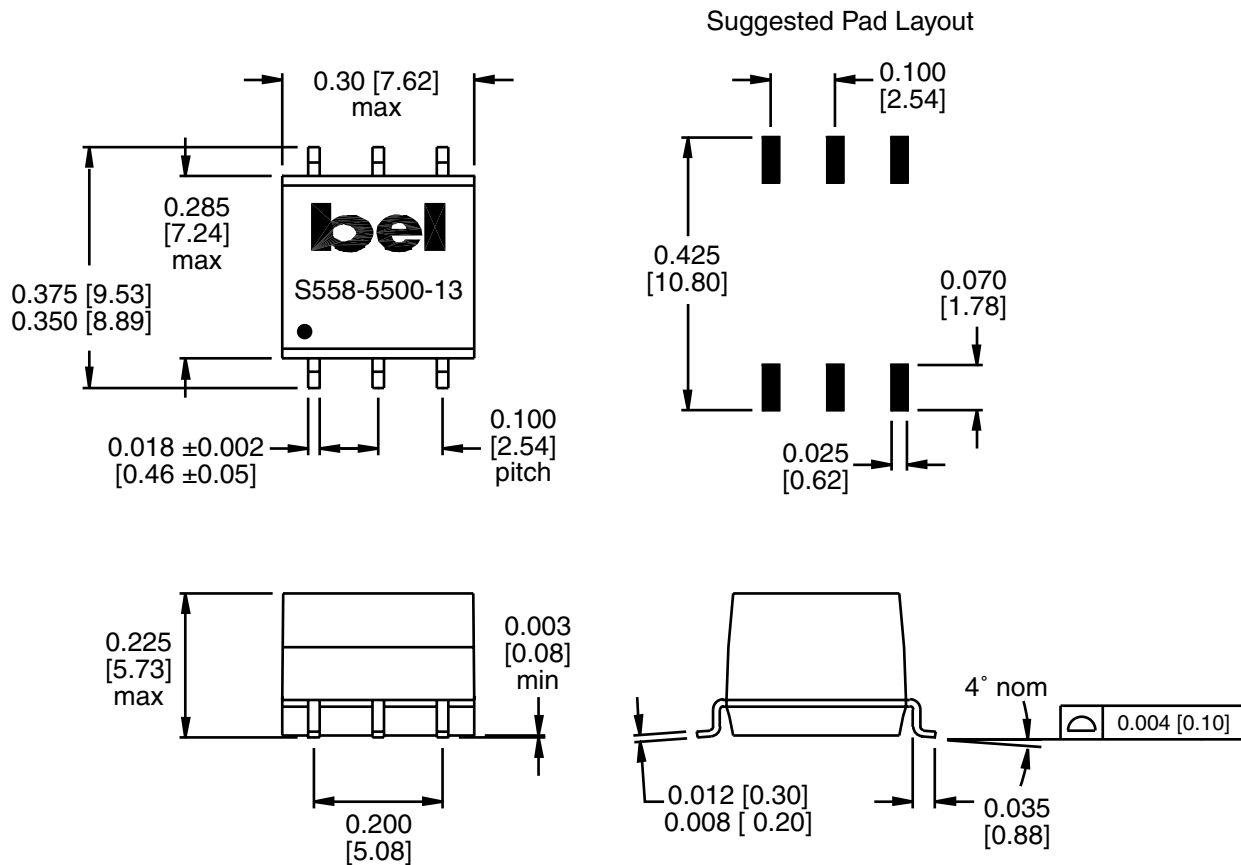
SCHEMATIC

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MECHANICAL

S558-5500-13



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