

MODEM MAGNETICS

Global Surface Mount V.90 Modem Transformer

TM00400

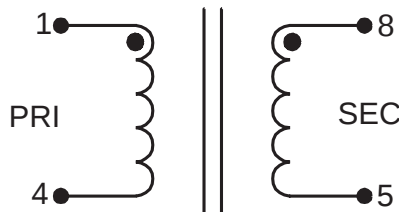
- Provides isolation and balance while minimizing signal distortion and insertion loss in high speed modem applications
- Designed to match a 600Ω line to a 520Ω load
- Qualified per Bellcore TR-TSY-000357-1
- Designed to provide supplementary insulation at a working voltage of 250V
- Approved by UL and BABT
- Minimum interwinding breakdown voltage of 1500 Vrms

ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Turns Ratio ±2%	Insertion Loss dB	Return Loss dB	Frequency Response dB	DCR Ω max		Harmonic Distortion dB	Longitudinal Balance dB
		@ 1kHz	200 Hz - 3500 Hz	200 Hz - 4 kHz	Pri	Sec	-10 dBm, 600 Hz	200 Hz - 4000 Hz
S574-1000-21	1 : 1	≤1.5	≥20	≤0.25	55	59	≤-76	≥60

SCHEMATIC

S574-1000-21





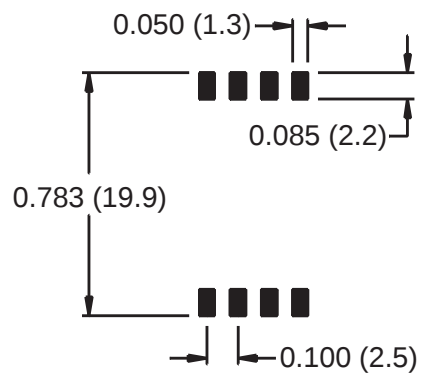
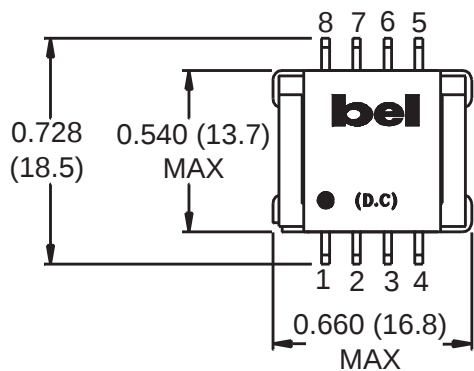
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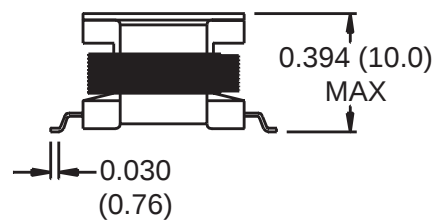
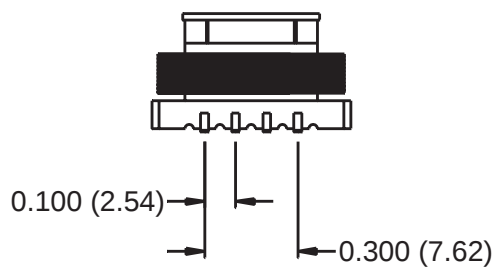
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MECHANICAL

S574-1000-21



SUGGESTED PCB PAD LAYOUT



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