



MODEM MAGNETICS

V.90 Modem Transformer

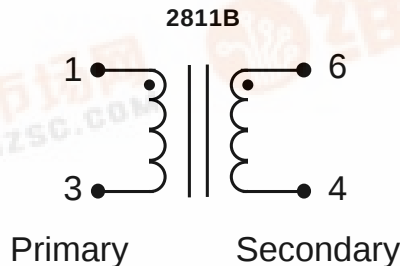
TM00409

- Provides isolation and balance while minimizing signal distortion and insertion loss in high speed modem applications
- Designed to match a 600Ω line to a 360Ω load
- Qualified per Bellcore TR-TSY-000357-1
- Designed to provide supplementary insulation at a working voltage of 250V
- Approved by UL, CSA and BABT
- Minimum interwinding breakdown voltage of 1500 Vrms

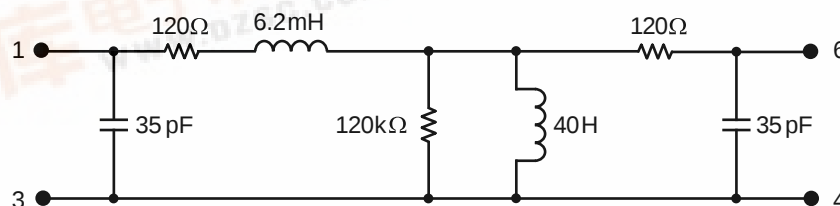
ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio ± 2%	Insertion Loss dB	Return Loss dB	Frequency Response dB	DCR Ω max		Harmonic Distortion dB	Longitudinal Balance dB
		@ 1 kHz	200 Hz - 3500 Hz	100 Hz - 4 kHz	Pri	Sec	-3dBm, 150 Hz	200 Hz - 3500 Hz
2811B	1 : 1	≤ 2.1	≥ 20	≤ 0.1	135	135	≤ -75	≥ 60

SCHEMATIC



TYPICAL SPICE TRANSMISSION MODEL





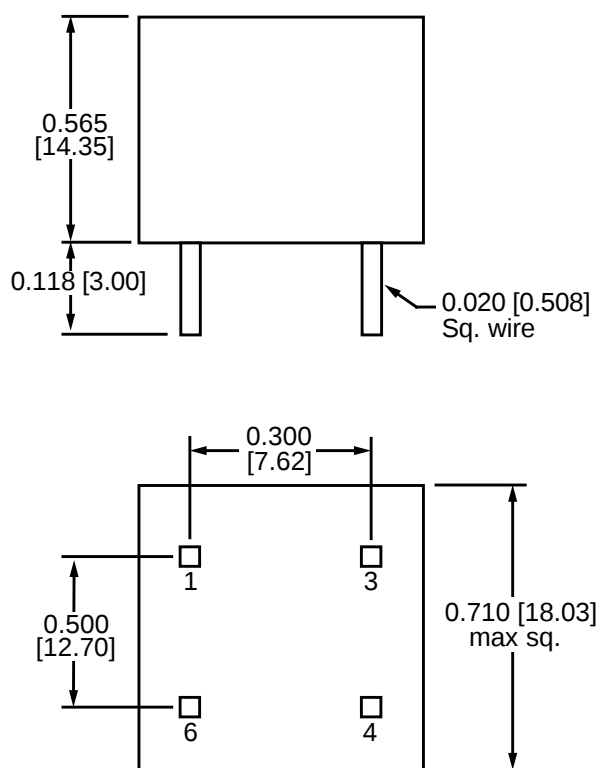
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MECHANICAL

2811B



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

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