

MODEM MAGNETICS

V.90 Modem Transformer

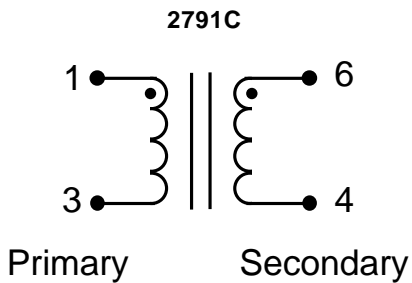
TM00405

- Provides isolation and balance while minimizing signal distortion and insertion loss in high-speed modem applications
- Designed to match a 600Ω line to a 374Ω load with no direct current in the windings
- Approved by UL and CSA
- Minimum interwinding breakdown voltage of 1000 Vrms
- Qualified per Bellcore TR-TSY-000357-1

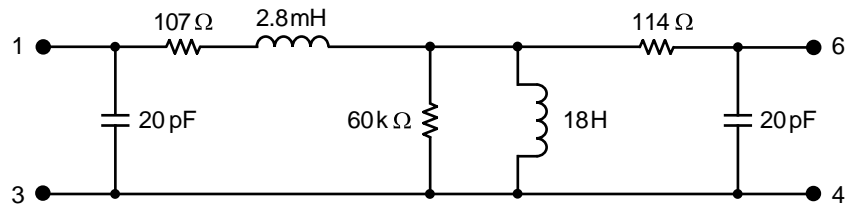
ELECTRICAL SPECIFICATIONS at 25° C

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	300 Hz - 3500 Hz	200 Hz - 4 kHz	Pri	Sec	-10 dBm, 600 Hz	300 Hz - 3500 Hz
2791C	1 : 1	≤ 2.0	≥ 25	≤ 0.1	118	125	≤ -84	≥ 60

SCHEMATIC

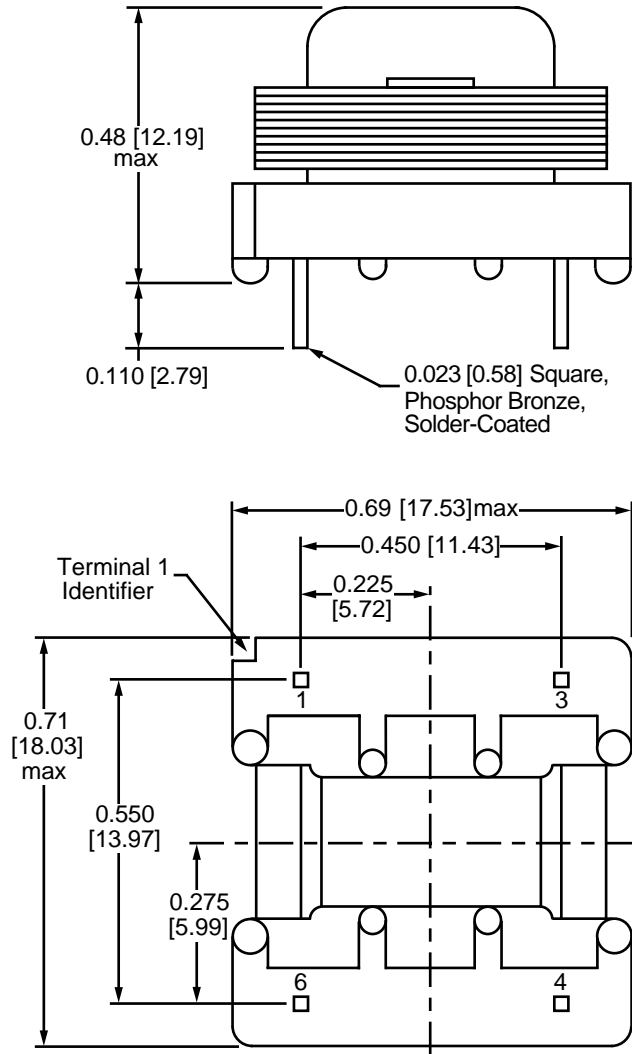


TYPICAL SPICE TRANSMISSION MODEL



MECHANICAL

2791C



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

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