

# MODEM MAGNETICS

## PCMCIA V.34 Modem Transformers

TM00407

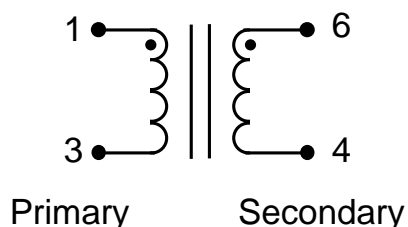
- Designed to match a 600Ω line to a 301Ω load while providing isolation and balance in PCMCIA Type II V.34 modem applications
- Qualified per Bellcore TR-TSY-000357-1
- Approved by UL and CSA
- Each transformer, while being identical electrically, has a distinctive terminal configuration to accommodate different PWB offsets in the PC card
- Minimum interwinding breakdown voltage of 1000 Vrms

### ELECTRICAL SPECIFICATIONS at 25° C

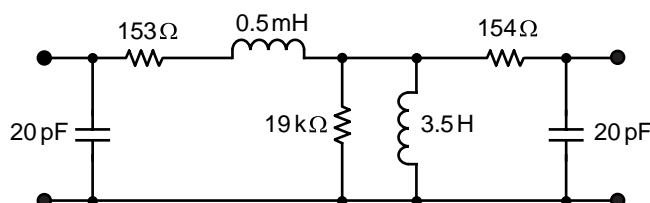
Part Number	Turns Ratio ± 2%	Insertion Loss dB	Return Loss dB	Frequency Response dB	DCR Ω max		Harmonic Distortion dB	Longitudinal Balance dB
		@ 1 kHz	300 Hz - 3500 Hz	200 Hz - 5 kHz	Pri	Sec	-10 dBm, 600 Hz	300 Hz - 3500 Hz
2796A 2796A2 2796A3 2796A4 2796A5	1 : 1	≤ 2.7	≥ 30	≤ 0.1	165	165	≥ 80	≥ 60

### SCHEMATIC

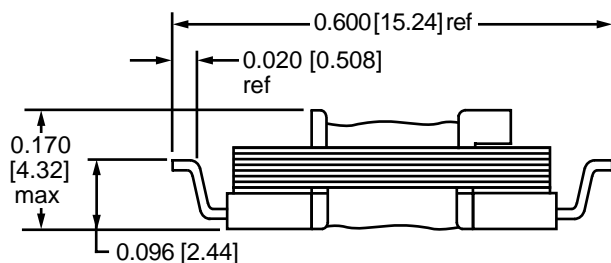
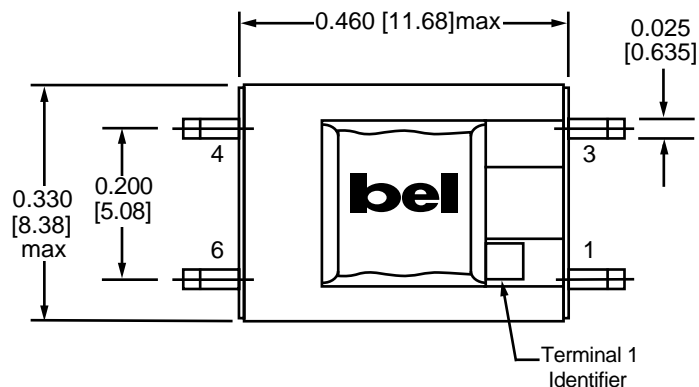
2796A  
2796A2  
2796A3  
2796A4  
2796A5



### TYPICAL SPICE TRANSMISSION MODEL

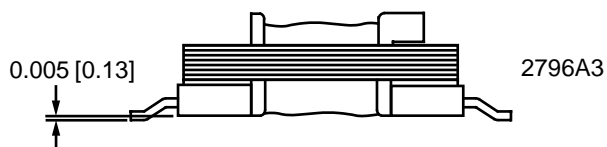
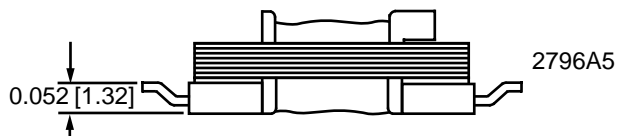
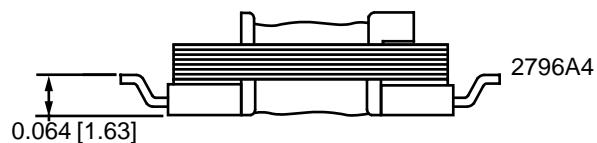
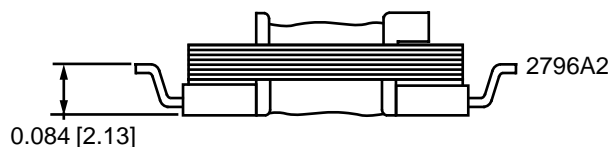
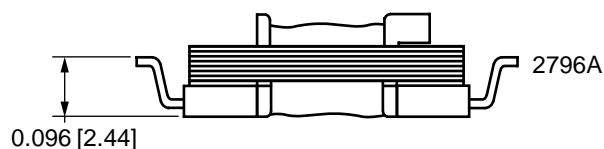


#### MECHANICAL



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

2796A  
2796A2  
2796A3  
2796A4  
2796A5



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#### CORPORATE

**Bel Fuse Inc.**  
198 Van Vorst Street  
Jersey City, NJ 07302  
Tel 201-432-0463  
Fax 201-432-9542  
www.belfuse.com

#### FAR EAST

**Bel Fuse Ltd.**  
8F / 8 Luk Hop Street  
San Po Kong  
Kowloon, Hong Kong  
Tel 852-2328-5515  
Fax 852-2352-3706  
www.belfuse.com

#### EUROPE

**Bel Fuse Europe Ltd.**  
Preston Technology Management Centre  
Marsh Lane, Suite G7, Preston  
Lancashire, PR1 8UD, U.K.  
Tel 44-1772-556601  
Fax 44-1772-888366  
www.belfuse.com