

CABLE MODEM MAGNETICS

Wideband RF Transformer

CM03402

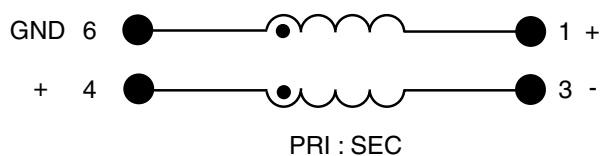
- Optimized for use in the upstream and downstream data path of cable modem applications
- Designed for use with a variety of high frequency drivers
- Ideal for cable distribution/drop amplifiers, set top boxes and home gateways
- Excellent insertion loss and return loss characteristics
- Operating temperature -40° to +85° C

ELECTRICAL SPECIFICATIONS at 25° C

Turns Ratio ±3%	Insertion Loss dB max	Return Loss dB min		Phase Unbalanced ° max	Amplitude Unbalanced dB max
Pri : Sec	5MHz to 1GHz	5MHz to 50MHz	50MHz to 1GHz	5MHz to 1GHz	5MHz to 1GHz
1 : 1	<1.0	25	22	6°	1

SCHEMATIC

S554-5999-15



Note: For optimum performance pin 6 is ground.



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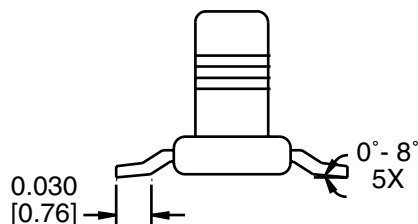
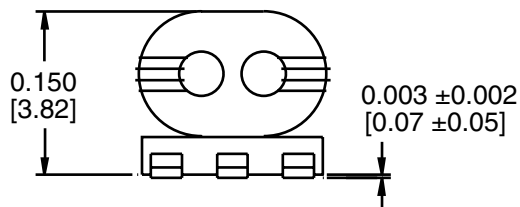
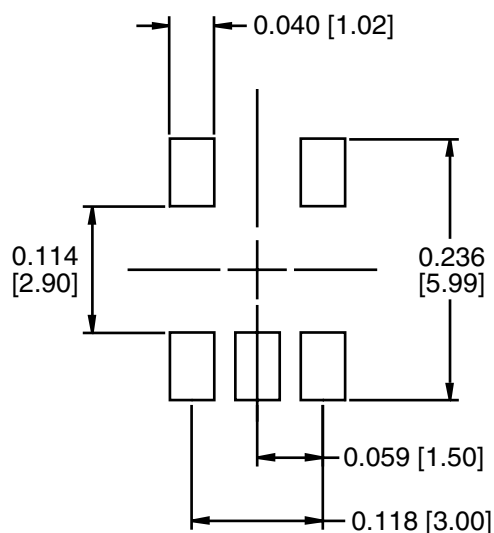
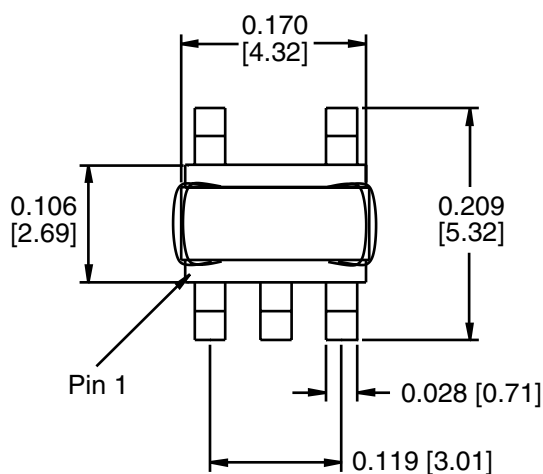
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MECHANICAL

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Suggested PCB Pad Layout



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CORPORATE

Bel Fuse Inc.
206 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