

CABLE MODEM MAGNETICS

Wideband RF Transformers

CM01400

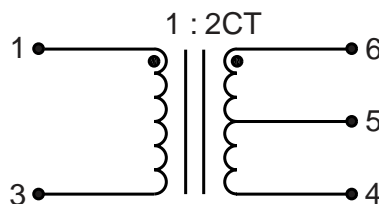
- Optimized for use in the upstream data path within cable modem applications
- Designed for use with a variety of high frequency amplifiers
- Compatible with Maxim's Max3514 / Max3516 / Max3517 amplifiers
- Excellent insertion loss and return loss characteristics
- S554-5999-03 operating temperature 0° to 70° C
- S554-5999-06 operating temperature -40° to +85° C
- Minimum interwinding breakdown voltage of 1500 Vrms

ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio ±3%	Insertion Loss dB max		Return Loss dB min	Primary Inductance µH min	DCR Ω max		Hipot Vrms min
	Pri : Sec	1MHz to 250MHz	5MHz to 65MHz	30MHz to 60MHz		Pri	Sec	
S554-5999-03	1 : 2CT	1.5	0.5	18	30	0.250	0.500	1500
S554-5999-06	1 : 2CT	1.5	0.5	18	30	0.300	0.750	1500

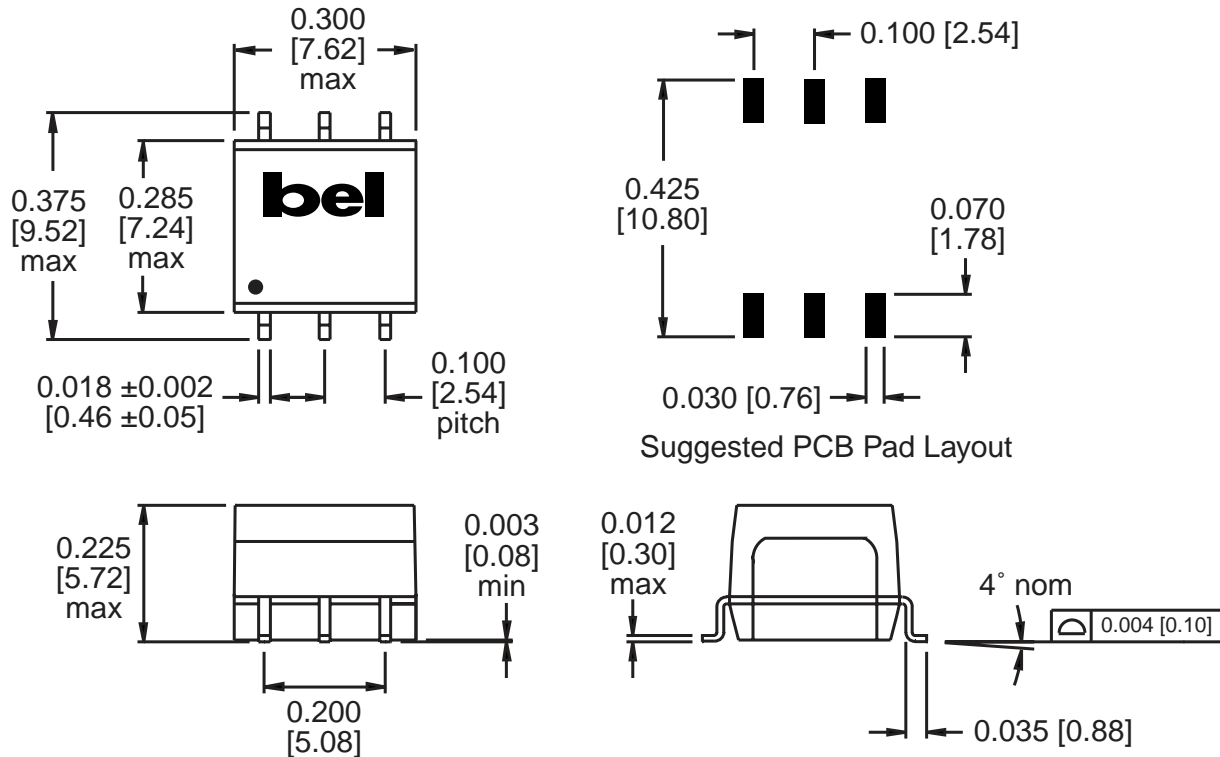
SCHEMATIC

S554-5999-03
S554-5999-06



MECHANICAL

S554-5999-03
S554-5999-06



Dimensions are in inches [millimeters].
Standard dimension tolerance is ±0.005 [0.13] unless otherwise noted.

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