

DIPLEXER FILTER MODULES

EuroDOCSIS 2.0

CM02401

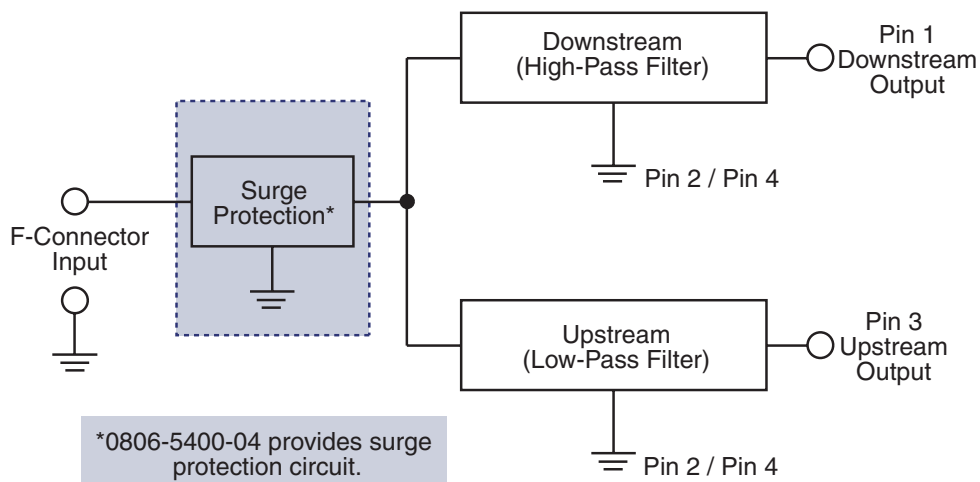
- Optimized for use in cable modems, cable TV set-top boxes and PCI card applications
- Designed to meet European Data Over Cable Service Interface Specification (EuroDOCSIS) 2.0
- Surge protection per IEC 61000-4-5 Class 4
- Excellent insertion loss and return loss characteristics
- Pre-tuned, shielded modules with integral coaxial F-connector
- Metal housing minimizes EMI for superior performance

ELECTRICAL SPECIFICATIONS at 25° C

Low Pass Filter				
Passband Insertion Loss		Stopband Insertion Loss		Return Loss
5MHz - 67MHz		88MHz - 126MHz	126MHz - 860MHz	5MHz - 67MHz
1.5dB max		50dB min	48dB min	12dB min
High Pass Filter				
Passband Insertion Loss			Stopband Insertion Loss	Return Loss
88MHz	88MHz - 102MHz	103MHz - 860MHz	5MHz - 63MHz	63MHz - 65MHz
1.8dB max	1.5dB max	1.0dB max	50dB min	48dB min

SCHEMATIC

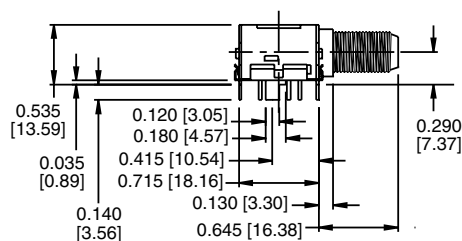
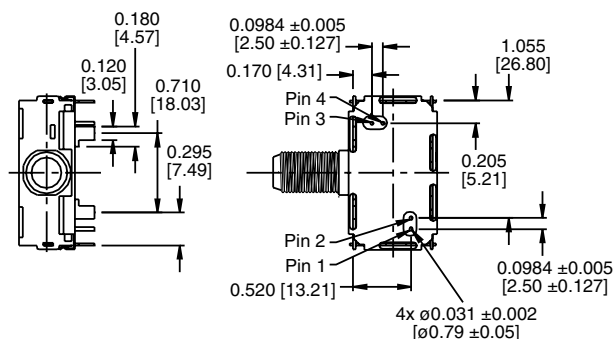
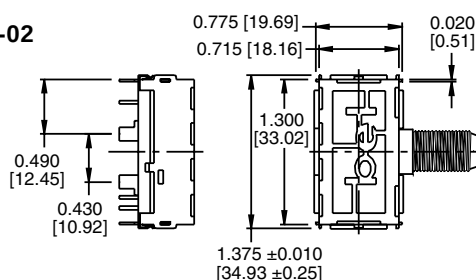
0806-5400-02
0806-5400-04



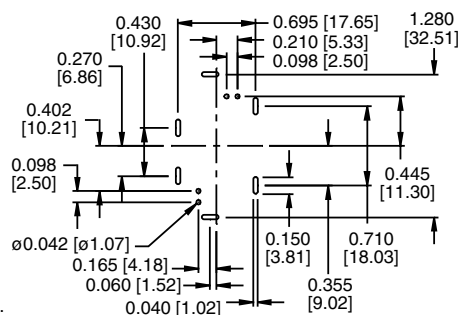
CM02401

MECHANICAL

0806-5400-02

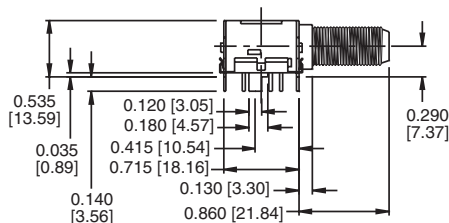
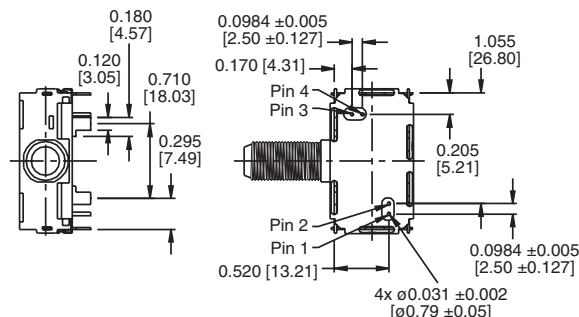
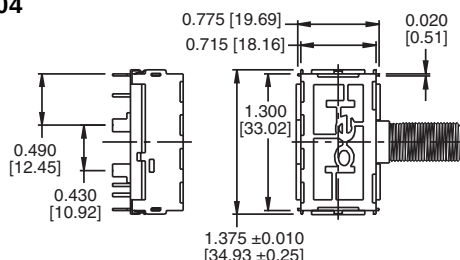


Suggested PCB Pad Layout

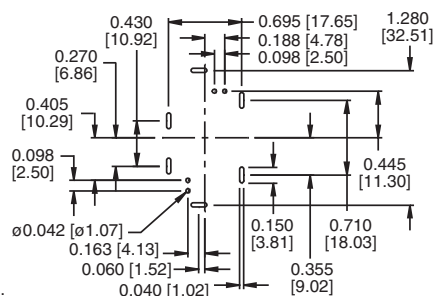


Dimensions are in inches [millimeters].
Standard dimension tolerance is ±0.020 [0.51] unless otherwise noted.

0806-5400-04



Suggested PCB Pad Layout



Dimensions are in inches [millimeters].
Standard dimension tolerance is ±0.020 [0.51] unless otherwise noted.

©2003 Bel Fuse Inc. Specifications subject to change without notice. 09.03

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