

Key Features

- Band Pass / Short Pass / Low Pass Filters
- 1310 nm, C-Band, L-Band
- LGX - Compatible Modules

Applications

- Broadcast / Narrowcast Combining
- Optical Add / Drop
- WDM Overlay on 1310 nm Legacy Links



Product Overview

Confluent Photonics' family of Optical Band Split Filters is a supplementary product line that helps MSOs to architect complete HFC fiber networks. Our filters provide solutions for efficient and flexible bandwidth management. Three categories of filters are available: Band Pass Filters, Short Pass Filters and Long Pass Filters.

Examples of these filters include:

- C/L Band Splitters
- Red/Blue Band Splitters
- C-Band Band Pass Filters
- 8-Channel Band Pass Filters
- 5-Channel Band Pass Filters
- 4-Channel Band Pass Filters

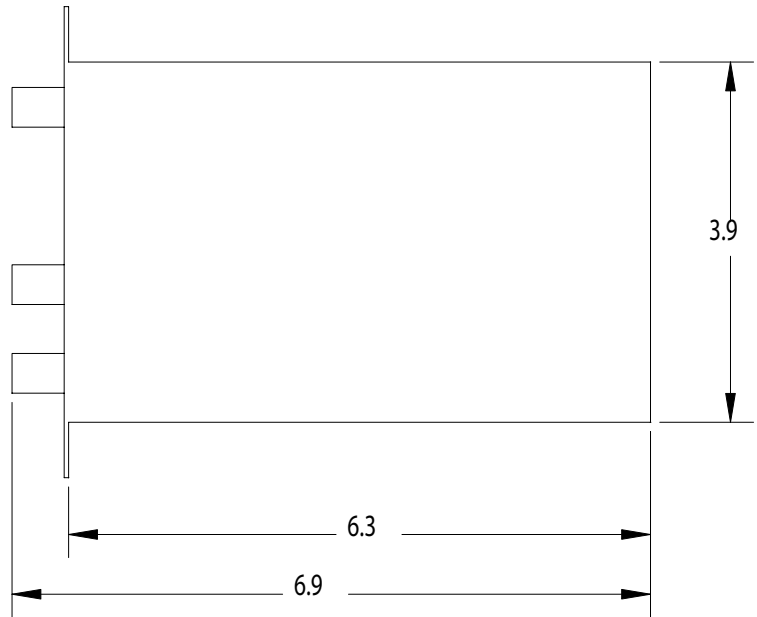
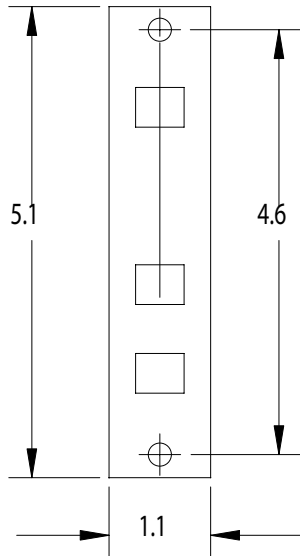
Product Specifications

Operation Wavelength	Customer specified
Center Wavelength	Customer specified
Passband / Rejection Band	Customer specified
Ripple within Passband	≤0.5 dB
Max. Passband Insertion Loss	≤1.0 dB
Max. Reflection Band Insertion Loss	≤0.8 dB
Transmission Isolation within Reflection Band	≥25 dB
Reflection Isolation within Passband	≥12 dB

Optical Return Loss	>40 dB
Polarization Dependent Loss	<0.2 dB
Maximum Input Power	300 mW
Fiber Connector	SC/APC
Dimensions	1.1" W x 5.1" H x 6.9" L
Operating Temperature Range	-5 to +70 °C
Storage Temperature Range	-40 to +85 °C

Note: All the specifications shown are generic and can vary depending on the application. For your specific product needs, contact Confluent Photonics Sales Department at (603) 893-4906, dial "4" at the prompt.

Mechanical Drawing (All dimensions in inches)



Specifications subject to change without notice. Rev. 04/04
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