

## Key Features

- Uniform or Customer Specified Splitting Ratio
- Configurations of 1x2, 1x4, 1x8 or 1x16 Ports
- LGX-Compatible Module

## Applications

- Downstream Broadcast Distribution
- Redundant Optical Links
- Power Monitoring Taps



## Product Overview

Confluent Photonics' C-Band Optical Splitter / Power Tap offers superior performance and long-term reliability. These modules easily snap into industry-standard LGX mainframe and feature low insertion loss, low PDL and optical return loss. The Optical Splitter module is available in 1x2, 1x4, 1x8 and 1x16 port configurations and comes with a uniform or customer specified splitting ratio. The fused fiber Power Tap module typically has splitting ratio of 99/1, 98/2, 95/5 or 90/10, and other values are possible.

## Product Specifications

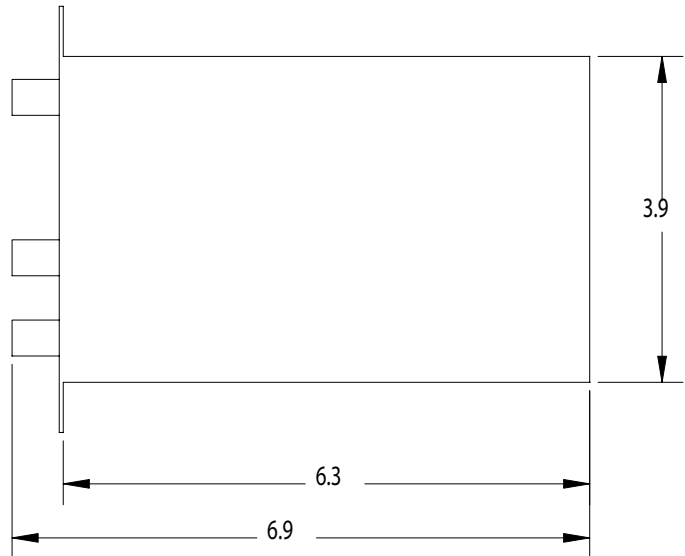
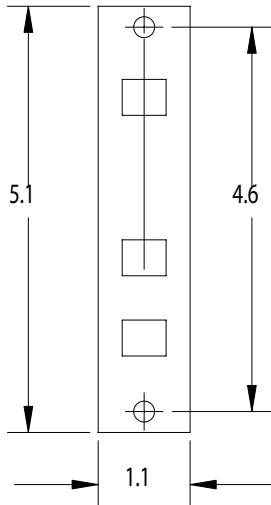
Configuration	1x2	1x4	1x8	1x16
Max. Insertion Loss <sup>1</sup> (For Uniform Split)	3.8 dB	7.4 dB	11.7 dB	14.9 dB
Uniformity	≤0.6 dB	≤1.2 dB	≤1.2 dB	≤1.7 dB
Optical Return Loss	>50 dB	>50 dB	>55 dB	>55 dB
PDL	<0.1 dB	<0.1 dB	<0.3 dB	<0.3 dB
Coupling Technology	Monolithically-Fused Fiber		Planar Lightwave Circuit	
Dimensions	1.1"W x 5.1"H x 6.9"L		2.3"W x 5.1"H x 6.9"L	

<sup>1</sup> Including connectors

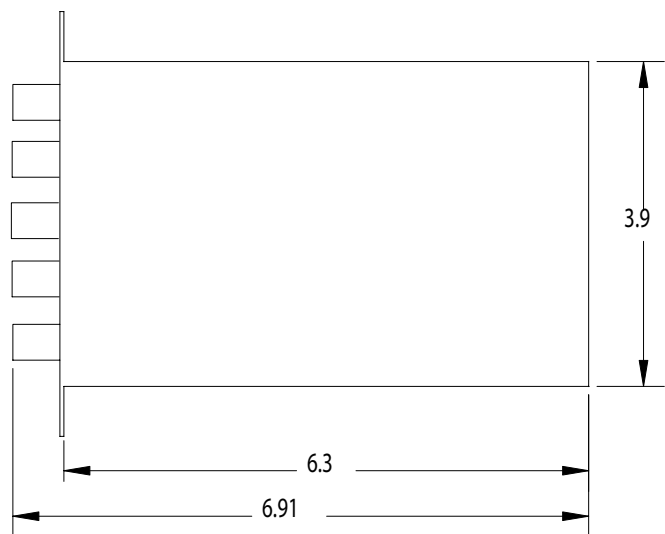
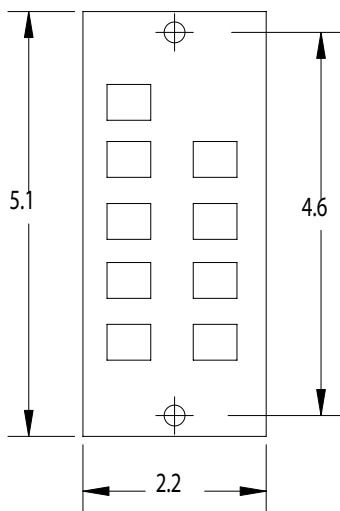
Operation Wavelength	1510 - 1590 nm
Splitting Ratio	Customer specified
Maximum Input Power	300 mW
Fiber Connector	SC/APC
Operating Temperature Range	-5 to +70 °C
Storage Temperature Range	-40 to +85 °C

**Mechanical Drawing** (All dimensions in inches)

**1x2 and 1x4 Configurations**



**1x8 and 1x16 Configurations**



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