

Fiber Optic Splitter Panel

Sliding 19-inch | 1U PLC



Features & Benefits

- Fast and easy front access to all splitter ports
- Bi-directional performance with accurate split ratios
- Ultra-broadband range (1260 ~ 1650nm)
- Low insertion loss; excellent uniformity
- Low Polarization Dependent Loss (PDL)
- Low Polarization Mode Dispersion (PMD)
- Solid steel construction from powder coated CRCA
- Integrated fiber management accessories



Overview

The PPC Sliding 19-inch Fiber Optic Splitter Panel is designed for quick installation and easy access to the splitter ports, which maximize fiber density in 1U rack spaces. Fiber management is integrated into the front of the splitter panel to facilitate efficient management of the fiber jumpers.

PPCs PLC splitters are based on Planar Lightwave Circuit technology with precision alignment. They split or combine light from one or two input fibers and multiple output fibers uniformly over a wide spectral range with ultra-low insertion loss and low polarization dependent loss. The splitters provide excellent optical performance and high reliability, and are suitable for indoor or outdoor environments.

Technical Data

Product Specifications

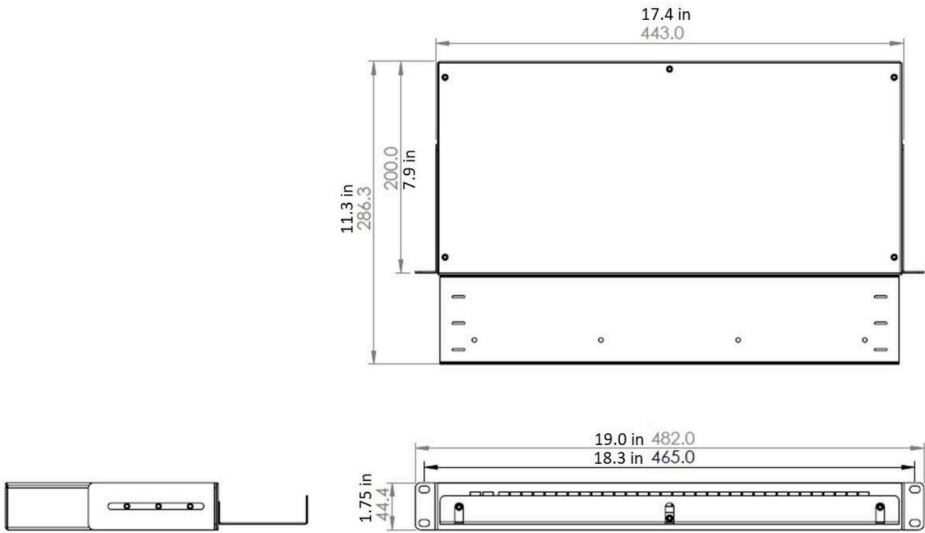
Description	Value							
Operating Wavelength	1260 ~ 1650nm							
Return Loss	55dB minimum							
Directivity	55dB minimum							
Operating Temperature	-40°F to 185°F (-40°C to 85°C)							
Storage Temperature	-40°F to 185°F (-40°C to 85°C)							
Maximum Input Power	500mW							
Fiber Type	SM G657.A1							
Connector Type	SC or LC							
Parameter	1x4	1x8	1x16	1x32	2x4	2x8	2x16	2x32
Insertion Loss (dB)	7.0	10.4	13.6	17.0	7.6	10.8	14.0	17.5
Channel Uniformity (dB)	0.6	0.8	1.2	1.6	1.0	1.0	1.5	1.8
Polarization Dependent Loss (dB)	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Wavelength Dependent Loss (dB)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
UPC Connector Loss (dB)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
APC Connector Loss (dB)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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Technical Drawing



Ordering Information - Code Builder

Example	APL1	1	232	SCA	SCA	- LG
Character		1	2	3	4	

1. **Splitter count**
1 = Single splitter
2 = Dual splitters

2. **Splitter type**
104 = 1x4 splitter (single or dual)
108 = 1x8 splitter (single or dual)
116 = 1x16 splitter (single or dual)
132 = 1x32 splitter (single only)
216 = 2x16 splitter (single only)
232 = 2x32 splitter (single only)

3. **Input connector type(s)**
SCA = SC/APC simplex
SCU = SC/UPC simplex

4. **Output connector types**
SCA = SC/APC simplex
SCU = SC/UPC simplex