



Fiber Optic, Splitter Panel, Sliding 19-inch, 1U PLC

Features and 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
- 2011/65/EU RoHS compliant and halogen free
- Splitters are GR-1209 and GR-1221 compliant



Description

The 19-inch Sliding 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.

Avalon’s 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. Avalon’s splitters offer excellent optical performance and high reliability. They are fully compliant with Telcordia GR-1209 and GR-1221 and are suitable for indoor or outdoor environments.

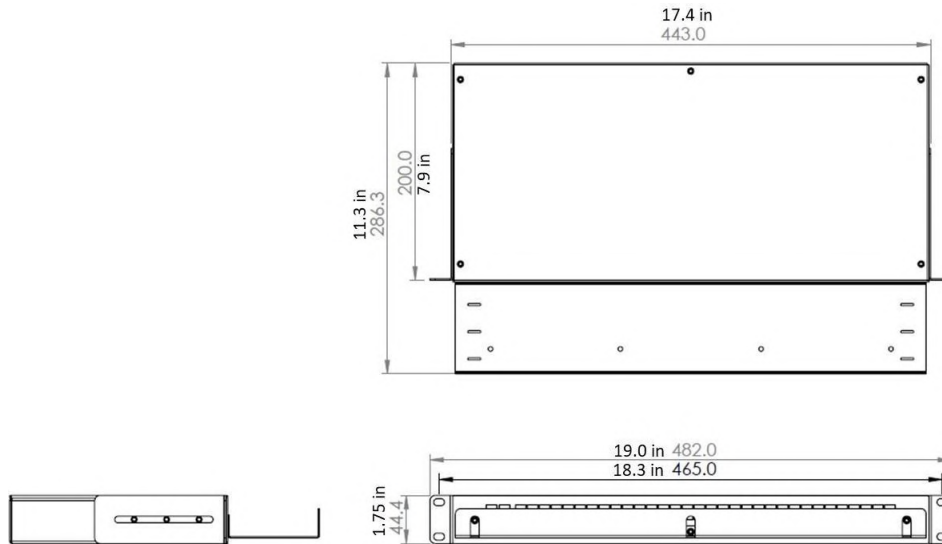
Technical data

Optical data	Value
Operating wavelength	1260 ~ 1650nm
Return loss	≥ -55dB
Directivity	≥ -55dB
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
Connector loss (dB)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



Technical Drawing



Ordering Information

Part No.	Description
AN-FOS-YYxZZ-SC/APC	1u Splitter with SC/APC Connectivity
AN-FOS-YYxZZ-LC/APC	1u Splitter with LC/APC Connectivity

* YYxZZ = 01x04 splitter, 01x08 splitter, 01x16 splitter, 01x32 splitter,
02x04 splitter, 02x08 splitter, 02x16 splitter, 02x32 splitter