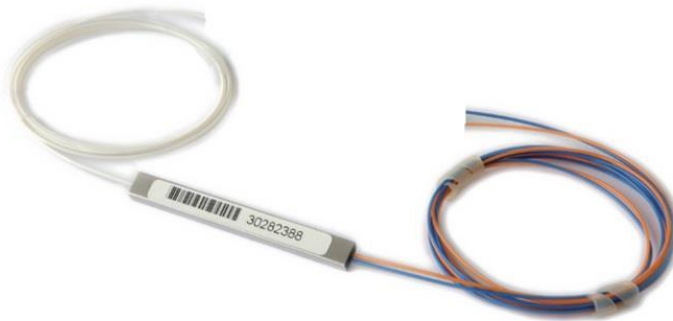


F-SPLIT-PLC

Compact PLC based PON splitter for splicing



DESCRIPTION

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It has high reliability, wide operating wavelength range and good channel-to-channel uniformity and is widely used in PON networks to realize optical signal power splitting. The form factor makes it very convenient for use in fiber optic splicing enclosures.

FEATURES

- Compact size
- High reliability
- Wide wavelength range (1260 – 1650 nm)
- Low residual insertion loss
- Protocol transparent (support GPON, 1G, 10G etc.)
- 1 meter pigtails, 250 μm or 900 μm
- Reliability and durability tested according to Telcordia GR-1221-CORE and GR-1209-CORE

TECHNICAL DATA

Parameter	Unit	Value					
Split ratio		1×2	1×4	1×8	1×16	1×32	1×64
Operating Wavelength	nm	1260 - 1650					
Fiber Type		G.657.A1					
Insertion Loss	db	3.8	7.1	10.2	13.5	16.5	20.5
Loss Uniformity	db	0.4	0.6	0.8	1.2	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.25	0.3	0.35
Return Loss	db	55					
Directivity	dB	55					
Wavelength Dependent Loss	dB	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability (-40~85°C)	dB	0.4	0.4	0.4	0.5	0.5	0.5
Operating Temperature	°C	-40 to +85					
Storage Temperature	°C	-40 to +85					
Dimensions	mm	40×4×4	40×4×4	40×4×4	50×7×4	50×7×4	60×12×4

ORDERING INFORMATION

Product number	Description
F-SPLIT-PLC-O25-02	Fiberworks PLC based PON splitter 1:2, 250 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O25-04	Fiberworks PLC based PON splitter 1:4, 250 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O25-08	Fiberworks PLC based PON splitter 1:8, 250 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O25-16	Fiberworks PLC based PON splitter 1:16, 250 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O25-32	Fiberworks PLC based PON splitter 1:32, 250 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O25-64	Fiberworks PLC based PON splitter 1:64, 250 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O9-02	Fiberworks PLC based PON splitter 1:2, 900 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O9-04	Fiberworks PLC based PON splitter 1:4, 900 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O9-08	Fiberworks PLC based PON splitter 1:8, 900 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O9-16	Fiberworks PLC based PON splitter 1:16, 900 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O9-32	Fiberworks PLC based PON splitter 1:32, 900 μm, 1 meter pigtails, for splicing
F-SPLIT-PLC-O9-64	Fiberworks PLC based PON splitter 1:64, 900 μm, 1 meter pigtails, for splicing