

PRODUCT DATA SHEET

PLC Fiber Splitter

Optic Fiber Splitter 1x8 LGX Single Mode PLC Fiber Optic Splitter with SC

Features:

- SC Fiber Adapter Ports, Options UPC or APC
- Low Polarization Dependent Loss
- PLC splitting mechanism divides input signal into equal parts across all output fiber
- Excellent Environmental Stability
- High quality PLC design features a protective metal casing around the fibers
- Plastic Module Package for Sal Protection



1X8 PLC Fiber Optic Splitter Application

- FTTH, LAN, PON & Optical CATV
- Local ring net, Optical fiber communication system
- Optical fiber test equipment, Optical fiber sensor

1X16 PLC Fiber Optic Splitter Specification

PLC Splitter Type	1x8 PLC Splitter
Configuration Type	1x8
Operating Wavelength (nm)	.1260~1650nm
Bandwidth (nm)	20nm
Package Style	LGX Plate
Fiber Diameter	0.9mm,2.0mm,3.0mm
Polarization Dependent Loss (≤) dB	0.3
Wavelength Dependent Loss (≤) dB	0.3
Typical Insertion Loss (≤) dB	10.2
Insertion Loss (≤) dB	10.7
Loss Uniformity (≤) dB	0.8
Operating Temperature (°C)	-40 ~ 85
Storage Temperature (°C)	-40 ~ 85
Sealing Package Dimension (mm)	130*100*25
Connector Type	SC/APC,SC/UPC
Brand	NITROTEL



Introduction to 1X16 PLC Fiber Optic Splitter

Optic Fiber Splitter 1x8 LGX Single Mode with SC Connection is a 1x8 blockless PLC splitter installed in LGX box. This Optic Fiber Splitter can be connecterized with SC fiber connectors with related fiber adapter ports.

Performance Specifications:

Parameter		1 x N PLC Splitter; 2 x N PLC Splitter						
Parameter		1x2	1x4	1x8	1x16	1x32	1x64	1x128
Parameter		2x2	2x4	2x8	2x16	2x32	2x64	2x128
Operating Wavelength(mm)		1260~1650						
Fiber Type		G657A1 or Customized						
Insertion Loss (dB) (P/S Grade)	1 x N	3.8/4.0	7.2/7.4	10.3/10.7	13.5/13.7	16.5/16.9	20.5/21.0	23.8/24.2
	2 x N	3.9/4.2	7.3/7.6	10.5/11	14.4/14.6	17.4/17.9	21.0/21.5	24.5/25.0
Loss Uniformity (dB)		< 0.4	< 0.6	< 0.8	< 1.0	< 1.5	< 2.0	< 2.5
PDL(dB)		< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.4	< 0.4
Return Loss (dB)		> 55	> 55	> 55	> 55	> 55	> 55	> 55
Directivity (dB)		> 55	> 55	> 55	> 55	> 55	> 55	> 55
Wavelength Dependent Loss (dB)		< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0
Fiber Length (m)		1m or Customized						
Temperature Stability(- 20~+80°C)		< 0.5						
Operating Temperature (°C)		- 20~+80						
Storage Temperature (°C)		- 40~+80						
Maximum Power Handling(mW)		500.0						

Notice: Above specifications are for devices without connector. Add an additional 0.2dB loss per connector.

Important Alternative Information

A	B	D	F	F
Port	Package	Fiber	Fiber Length	Connector
0102 = 1x2	1=Bare	0=250	0=0.5m	0=None
0104 = 1x4	2=Blockless	um	1=1.0m	1=FC/APC
0108 = 1x8	3=ABS Box Module	1=900	2=1.5m	2=FC/UPC
0116 = 1x16	4=Insert Box	um	3=2.0m	3=SC/APC
0132 = 1x32	5=Pallet Type	2=2.0mm	4=3.0m	4=SC/UPC
0164 = 1x64	6=Rackmount	3=3.0mm	5=4.0m	5=LC/APC
1128 = 1x128	Z=Customized		Z=Customized	6=LC/UPC
0202 = 2x2				7=ST
0204 = 2x4				Z=Customized
0208= 2x8				
0216 = 2x16				
0232=2x32				
0264 = 2x64				
2128 = 2x128				

