

Fiber Optic Splitter 1×4 LGX Single Mode PLC Fiber Optic Splitter with SC FC Connection(7233207)



Features:

- Telcordia GR-1221 and GR-1209
- Low Polarization Dependent Loss
- PLC splitting mechanism divides input signal into equal parts across all output fibers
- Excellent Environmental Stability
- Optional connectors termination upon request
- Available in 250um & 900um fiber, 2mm or 3mm
- 900µm loose tube fiber for easy stripping, splicing, or terminating
- Excellent Mechanical Stability
- High quality PLC design features a protective metal casing around the fibers
- Plastic Module Package for Safe Protection
- Different Fiber Cable Diameters Supplied

1X4 PLC Fiber Optic Splitter Application:

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

1X4 PLC Fiber Optic Splitter Specification

PLC Splitter Type	1×4 PLC Splitter
Configuration Type	1×4
Operating Wavelength (nm)	1260~1650nm
Fiber Length	1.5m or Requested
Directivity (≥) dB	55
Package Style	Blockless
Fiber Type	Singlemode G657A1 or G652D
Fiber Diameter	0.9mm,2.0mm,3.0mm
Polarization Dependent Loss (≤) dB	0.2
Wavelength Dependent Loss (≤) dB	0.3
Typical Insertion Loss (≤) dB	7
Insertion Loss (≤) dB	7.4
Loss Uniformity (≤) dB	0.6
Operating Temperature (°C)	-40 ~ 85
Storage Temperature (°C)	-40 ~ 85
Sealing Package Dimension (mm)	130*100*25
Connector Type	SC/APC,SC/UPC,LC FC ST
Brand	HELLOSIGNAL® OR OEM
Delivery time	Normally 25 days after received the deposit.
MOQ	20pcs

Introduction to 1X4 PLC Fiber Optic Splitter

Fiber Optic Splitter 1×4 LGX Single Mode PLC Fiber Optic Splitter with SC FC Connection comes with 2.0mm or 3.0mm fiber cable at 1m usually. The 1×4 Single mode PLC Splitter devices have high performance in terms of low insertion loss, low PDL, high return loss and excellent uniformity over a wide wavelength range from 1260nm to 1620nm and working in temperature from -40°C to +80°C. The PLC Optical Splitters have standard configurations of 1×4, 1×8, 1×16 and 1×32 configurations, as well as customized structures of 2×8, 2×16, 2×32.

Performance Specifications:

Parameter		1 x N PLC Splitter; 2 x N PLC Splitter						
		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.	10.3/10	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.	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				