

LGX Couplers/Splitters

Benefits:

- All standard coupling ratios
- Low insertion loss and uniformity
- High reliability, stability, & directivity
- Polarization insensitivity
- LGX style package
- Multiple connector options

Ideal Applications:

- Telecommunications networks
- CATV, Data Distribution
- Local Area Networks (LAN)
- Passive Optical Networks (PON)
- WDM for Fiber Bandwidth Expansion
- WDM for Dedicated Channels



Description:

A broad line of couplers, splitters, and WDM products in an LGX style compatible package is available to our customers in a wide array of coupling and connector configurations.

FiberSplit I is our LGX style version with bulkhead mount, front panel adapters for easy connectivity. Low insertion loss, high directivity, and good uniformity are all features of these high quality products. These units are compatible with LGX style rack mount housings.

At M2 Optics, our goal is 100% customer satisfaction and we will work closely with your team to meet your requirements. If you have a question, we welcome you to contact your local sales representative to discuss the opportunity.

Ordering Information:

Coupler Type	Windows Type	Band Width	Connector Type	Input Port #	Output Port #	Band Pass (nm)	Grade	Coupling Ratio
□	□	□	□ □	□	□	□	□	ZZ %
FS1	S: Single	S: Standard	FA: FC/APC	1: 1 Port	2 : 2 Port	8 = 850	P: Premium	ZZ : ZZ
	D: Dual	W: Wide Band	FC: FC/PC	2: 2 Port	3 : 3 Port	0 = 1300	S: Standard	3 x ZZ
			SA: SC/APC		4 : 4 Port	80 = 8 & 0		4 x ZZ
			SC: SC/PC		6 : 6 Port	3 = 1310		6 x ZZ
			ST: ST			5 = 1550		
			LC: LC			35 = 3 & 5		
			00: None					
XX: Other								

LGX Couplers/Splitters

Performance Specifications:

Configuration	1x2 Coupler		1x4 Coupler		1x6 Coupler		1X2 WDM	
Operating Wavelength	1310 and 1550 Single Mode						1310/1550 SM	
Standard Bandwidth	±20 nm						±15 nm	
Wide Band Width	± 40 nm							
Coupling Ratio	Single Mode Average Coupling Ratios							
Grade	P	S	P	S	P	S	Premium	Standard
Insertion Loss (Max. dB)	3.6	3.9	7.2	7.8	9.0	9.8	0.35	0.5
Isolation							16.5	16
Uniformity (Max. dB)	0.8	1.1	1.2	1.6	1.6	2.0		
Directivity (Min. dB)	>55	>55	>55	>55	>55	>55	>55	>55
PDL (Max. dB)	0.15	0.2	0.2	0.2	0.3	0.3	0.1	0.15
Reflectance (Min. dB)	>55							
Temp. Coefficient	Typical 0.002dB/ °C							
Operating Temp.	-40°C to +75°C							
Storage Temp.	-55°C to +85°C							
Interface	Specifications are without connectors.							
Notes	Insertion Loss and Reflectance will change with connector types.							



12-position Chassis for LGX Modules