

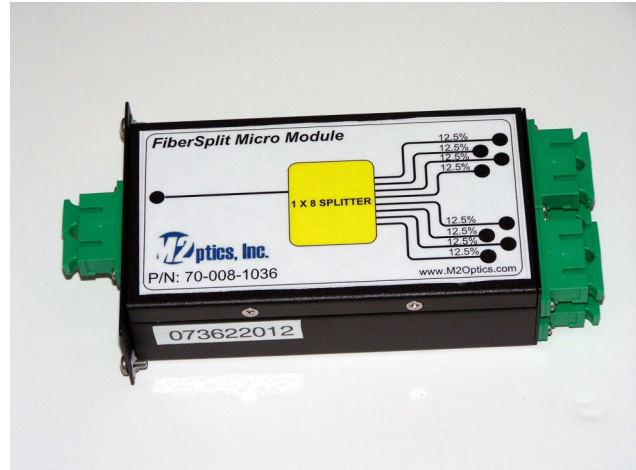
FiberSplit Micro Module

Benefits:

- Space-efficient modular package
- All standard coupling ratios
- Low insertion loss and uniformity
- High reliability, stability, & directivity
- Polarization insensitivity
- 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 new line of couplers, splitters, and WDM products in a new Micro Module (2U) package allows for a wide array of coupling and connector configurations. The **FiberSplit Micro** package is the next generation to the older style LGX version. A small size, low insertion loss, high directivity, and good uniformity are all features of these high quality products. Lastly, the FiberSplit Micro Modules can be packaged into a 19" rack-mount chassis that can **reduce physical space requirements by 40%** (over LGX style) when rack space is at a premium.

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.

Chassis:

- 19 inch Rack Mount Chassis
- Total 3U height:
 - 2U module;
 - 1U Fiber Management Tray
- Accepts up to 20 single width modules or 10 double width modules

****See reverse side for performance specifications and ordering information****



FiberSplit Micro Module

Performance Specifications:

Configuration	1x2 Coupler		1x4 Coupler		1x8 Coupler	Example: (See data sheet) 1X3 CWDM PON
Operating Wavelength	1310 and 1550 Single Mode					1310/1490; 1550; 1590 nm
Standard Bandwidth	± 40 nm					*/- 20 nm
Wide Band Width	± 80nm (where available)					--
Coupling Ratio	Single Mode Average Coupling Ratios					--
Grade	(U)	(P)	(P)	(A)	(P)	--
Insertion Loss (Max. dB)	≤3.4	≤3.6	≤7.2	≤7.5	≤10.8	1.0; 0.8; 0.9 dB
Uniformity (dB)	≤0.5	≤0.8	≤1.4	≤1.8	≤1.8	--
Excess Loss (Typ. dB)	0.07		0.07	0.1	0.45	--
Directivity (Min. dB)	≥55		≥55		≥55	--
PDL (Max. dB)	0.1	0.15	0.2	0.3	0.4	--
Reflectance (Min. dB)	≥55					--
Temp. Coefficient	Typical 0.002dB/ °C					--
Operating Temp.	-40°C to +85°C					--
Storage Temp.	-55°C to +85°C					--
Interface	Specifications are without connectors.					--
Notes	Insertion Loss and Reflectance will change with connector types.					--

Ordering Information:

Many configurations are available in single and double width modules:

- Wavelength Division components
- Splitter/ Combiner components
- WDM and splitter/combiner combinations
- Various connector interfaces are available

Due to the broad range of available configurations, please contact the factory for part numbers, pricing and availability. Please inquire by description.