



Multi Mode (MM) Fused Optical Fiber Splitters and Couplers.

The Intelmac Multi Mode (MM) fused fiber optic coupler and splitter series offer superior performance and long-term reliability. Due to the wide band operation of multimode fiber these devices operate from 700nm to 1600nm and are highly stable with low insertion loss over all split ratios.



FEATURES:

- ◆ Ultra Low Excess Loss
- ◆ Low Polarization Sensitivity
- ◆ High Directivity
- ◆ Highly Environmental Stability
- ◆ Telcordia GR-1221-CORE
- ◆ Low Cost

APPLICATIONS:

- ◆ Telecommunications
- ◆ Power Splitting
- ◆ Power Monitor
- ◆ CATV
- ◆ LAN
- ◆ Instrumentation and Sensors



Multi Mode (MM) Coupler/Splitter Specifications:

Intelmac MM Series	1x2 and 2x2 Port Coupler/Splitter	Unit
Coupling Ratio	1/99 to 50/50	
Wavelength¹	700 to 1600	nm
Excess Loss:² 850nm 1310nm	< 0.6 < 0.3	dB
Insertion Loss: Split Ratio: 50/50 Split Ratio: 40/60 Split Ratio: 30/70 Split Ratio: 20/80 Split Ratio: 10/90 Split Ratio: 5/95 Split Ratio: 1/99	< 3.9 < 4.9/2.9 < 6.3/2.4 < 8.1/2.0 < 12.3/1.6 < 15.3/1.1 < 21.8/1.0	dB
Thermal Stability	< 0.02	dB/°C
Directivity	> 45	dB
Operating Temperature	-40 to +85	°C
Fiber	62.5/125µm graded index or 50/125µm graded index	
Package Dimensions³	50 x 3dia	mm

Notes to Specifications:

1. Center wavelength can be tailored to customer requirements.
2. Excess loss without connectors.
3. Packaging is designed to provide a rugged product. Alternative smaller/larger packaging to your specification is available.

Fused MM Coupler/Splitter Ordering Information:

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Port:	Coupling ratio:	Dimensions:	Cable Type:	Fiber	Connectors:
1 - 2x2		1 - 50 x 3mm dia	1 - Uncabled	1 - 62.5/125um	0 - None
2 - 1x2		2 - Custom	2 - 900um	2 - 50/125um	1 - FC/UPC
					2 - FC/APC
					3 - LX 5/APC
					4 - E2000/APC
					5 - SC/APC
					6 - ST/UPC