AC Photonics

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PM 980/1550nm Micro-Optic Wavelength Division Multiplexer

Key Features

- Wide Operating Wavelength Range
- Low Insertion loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Reliability and Stability
- Epoxy Free Optical Path

Applications

- System Monitoring
- WDM System
- Transmitters and Fiberlasers
- Fiberoptic Amplifiers
- Fiberoptic Instruments

Performance Specifications

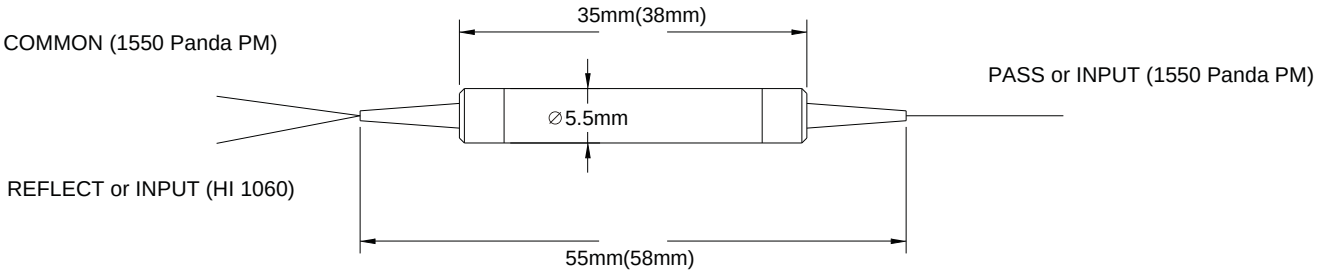
Parameter		Specifications
Pass Channel Wavelength Range		1520nm to 1600nm
Reflect Channel Wavelength Range		965nm - 1000nm
Insertion Loss	Reflect Channel	≤ 0.80dB
	Pass Channel	≤ 1.10dB
Insertion Loss Variation		≤ 0.30dB
Isolation	Reflect Channel	≥ 18dB
	Pass Channel	≥ 30dB
Extinction Ratio		18dB (typ.20dB)
Directivity		≥ 55dB
Return Loss		≥ 50dB
Optical Power		300mW
Operating Temperature		0 to +654°C
Storage Temperature		-40 to +85°C
Fiber Type		Common/Pass:1550 Panda PM; Reflect: HI1060
Package Dimensions		Ø5.5xL35mm(L38mm)(L38mm for 900um jacket)

NOTE: 1. Connector keys are aligned to the slow axis.

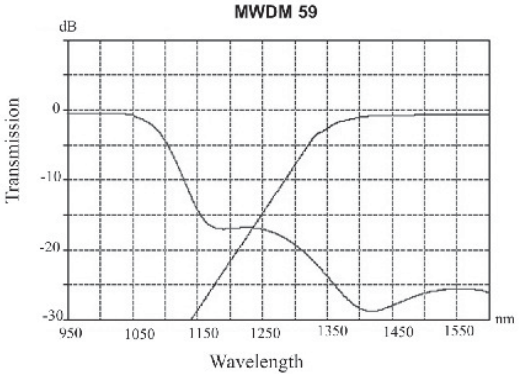
2. ER value applies to fiber ≤ 0.75m. Increased fiber length will decrease ER.

3. For each connector, IL will be 0.3dB higher, RL 5dB lower, and ER 2dB lower.

Mechanical Dimensions



Spectral Chart



Ordering Information

PMWDM	☐ ☐	☐	☐	☐ ☐	☐
	Wavelength	**Pigtail Style**	**Fiber Length**	**In/Out Connector**	**Working Axis**
	59 = 1550nm Pass	1 = Bare Fiber 2 = 900um Jacket	1 = 0.75m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC	S = Slow Axis Working B = Both Axis Working F = Fast Axis Working