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NxM Polarization Maintain Fiber Couplers

Product Description

The NxM PM couplers/splitters are based on cascading 2x2 fused couplers in a star/tree configuration, featuring low optical loss, good uniformity, and high extinction ratio. In comparison with other approaches, this device has the best performance in industry for splitting or combining light over a wide wavelength and temperature range. Customer configuration is available.

Features

- Ultra-Low PDL
- Low Excess Loss
- Low Insertion Loss
- Highly Directivity
- Stable and Reliable

Performance Specifications

PM NxM Coupler/Splitter		Min	Typical	Max	Unit
Wavelength			980,1060, 1310, 1550, 2000		nm
Bandwidth			+ - 15		nm
Insertion Loss [1]	3x3		6		dB
	4x4		8		dB
	8x8		10.5		dB
	16x16		15		dB
Directivity				60	dB
Splitting Ratio Tolerance		1.8			%
Polarization Extinction Ratio[2]		15	18	20	dB
Return Loss		50	55		dB
Operating Optical Power[2]			0.5	1	W
Operating Temperature			-20 ~ 70		°C
Storage Temperature			-40 ~ 85		°C

Notes:
1. Excluding Connectors.

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Applications

- Sensor System
- Optical Testing System

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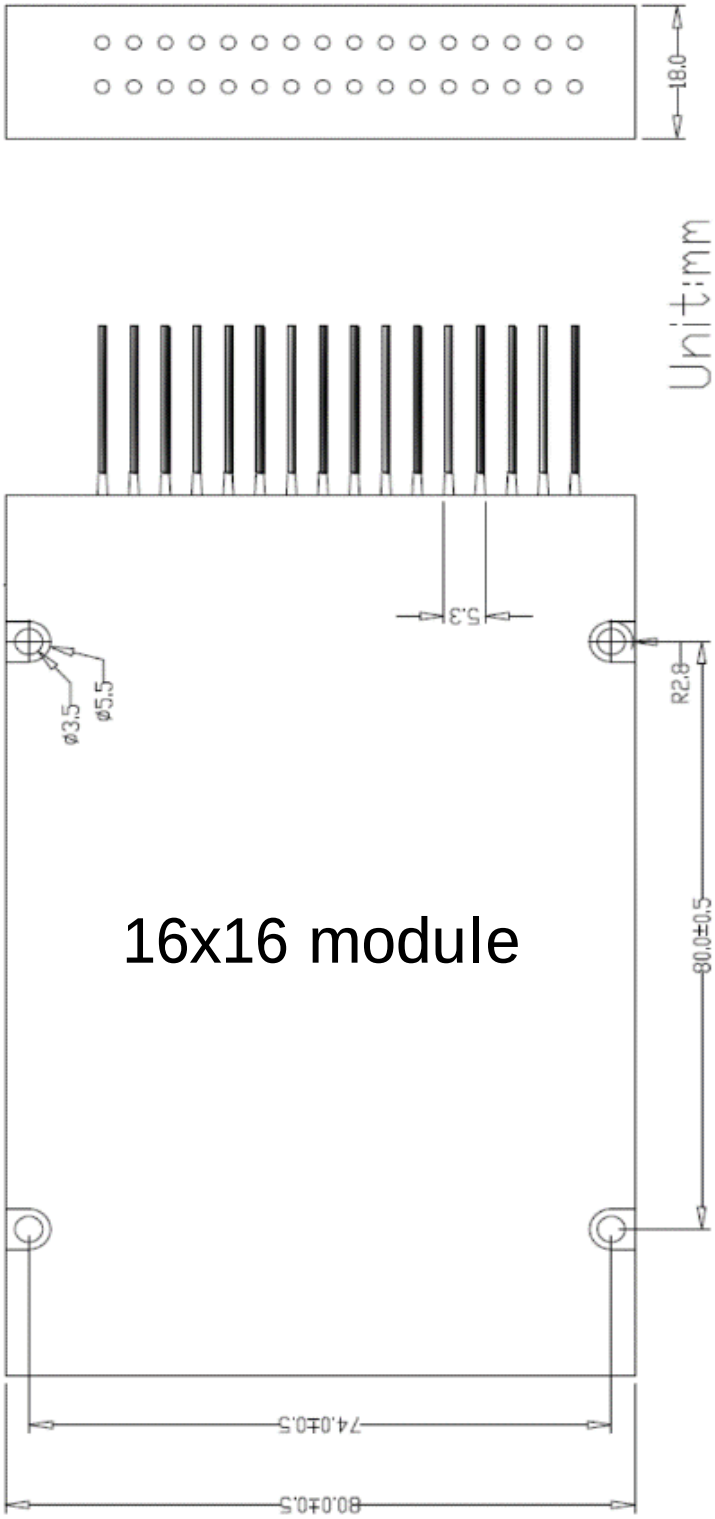
Mechanical Dimension



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

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Ordering Information

PMFC-	□	□□	□□	□	□	□	□	□
	Wavelength	Input	Output	ER	Axis	Cable Type	Fiber Length	Connector
	980=9 1060=1 1310=3 1480=4 1550=5 2000=2 Special=0	1 Port=01 2 Port=02 4 Port=04 16Port=16 N=N	4 Port=04 8 Port=08 16 Port=16 32 Port=32 M=M	15dB=1 18dB=2 20db=4 23dB=5 Special=0	Slow Axis Work=1 Both Axis Work =2 Fast Axis Blocked =3 Special =0	Bare=1 900μm tube=2 3mm tube =3 Special=0	0.5m=1 0.75m=2 1.0m=3 Special=0	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0

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