

## Polarization Maintaining Planar Lightwave Circuit Module 1\*8 (PMPLCM-1\*8)

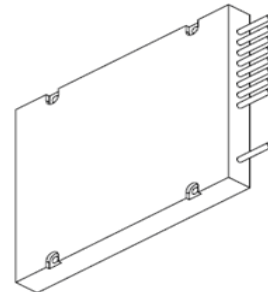
### 1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



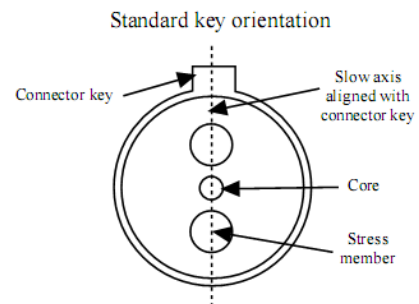
### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS



#### 4. Specifications:

Parameter	Type	Units	Values
Port Type		/	1*8
Pass Band Wavelength Range		nm	1310,1550,1064,980±10
Insertion Loss		dB	≤11
Extinct Ratio		dB	≥20
Optical Return Loss		dB	≥50
Directivity		dB	≥55
TDL		dB	≤0.4
Power Handling (Max)		mW	500
Tensile Load		N	≤5
Operating Temperature Range		°C	-5 to 70
Storage Temperature Range		°C	-40 to 85
Fiber type		---	980 Panda fiber,
Module Size(L × W × H)		mm	100×80×10

\*The specifications are w/o connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

\* For device with connector, key aligned to slow axis.

#### 5. Product Ordering information:

PMPLCM	XXX	X X	X	X X	X	X	X	XX
Product Description	Port Type	Operating Wavelength	Pigtail Type	Fiber Type	Input Connector Type	Output 1~8 Connector Type	Package Size	Fiber Length
P=Polarization	1X4	98=980nm	0=250um	98=PM98	0=None	0=None	100×80×10	05=0.5m
M=Maintaining	1X8	06=1060nm	1=900um	06=PM98	1=FC/UFC	1=FC/UFC		08=0.8m
P=Planar		13=1310nm		13=PM13	2=FC/APC	2=FC/APC		10=1.0m
L=Lightwave		15=1550nm		15=PM15	3=SC/UPC	3=SC/UPC		15=1.5m
C=Circuit					4=SC/APC	4=SC/APC		
M=Module					5=LC/UPC	5=LC/UPC		
					6=LC/APC	6=LC/APC		

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