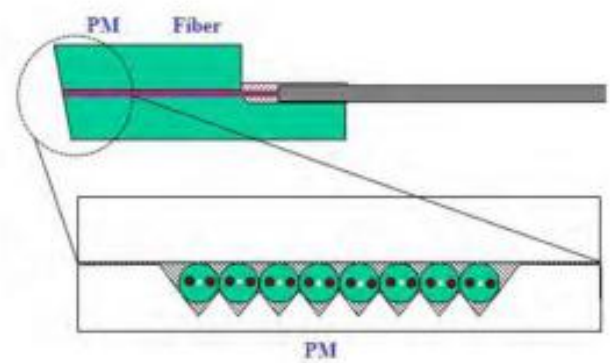
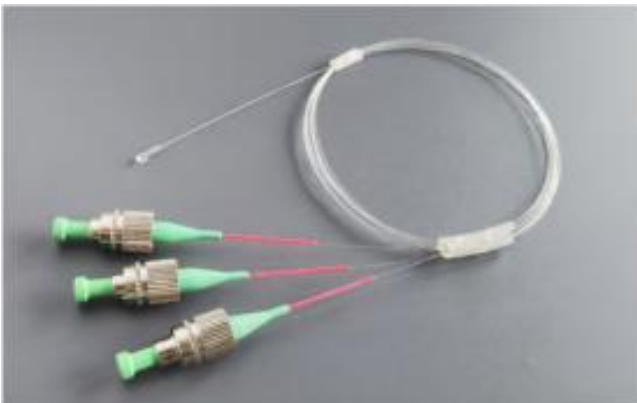


Polarization-Preserving Fiber Array (PM-FA)

Product Description

Polarization-preserving fiber array (PM-FA) is mostly used in coherent optical communication. Polarization-preserving fibers can keep the polarization state of light waves unchanged during transmission, which can give full play to the superiority of coherent reception. Polarization-preserving fiber array is a V-shaped groove (i.e. V-Groove) to install a strip of polarization-preserving fibers on the array substrate, which can achieve highly dense parallel transmission while ensuring the stability of optical wave polarization.



Features

- Low insertion loss
- High extinction ratio
- High precision, customization
- High stability, repeatability
- GR326/1209 and RoHS compliant

Applications

- Fiber optic gyro
- Fiber Optic Hydrophone
- DWDM/EDFA
- Integrated Photonics



Ordering Information

FL-PMFA-ABCDF

A: Number of Channels	B: Wavelength	C: FA Angle	C: Working Axis	D: Fiber Optic Sheathing	E: Fiber length	F: Fiber Type
1:1CH	13: 1310nm	0: 0°	B: Dual axis work	B: 250um bare fiber	L05: 0.5M	AFC=FC/APC
2:2CH	15: 1550nm	8: 8°	F: Slow-axis operation, fast-axis cutoff	L: 900um loose tube	L1: 1.0M	FC=FC/UPC
8:8CH		42.5: 42.5°		2:2.0mm LSZH Sheathing	L5: 5.0	ASC=SC/APC
16:16CH				3: 3mm LSZH Sheathing	O: Other	SC=SC/UPC

Product Parameter

Parameters	Unit	Numerical Value
Number of Channels		1~48CH
Fiber Type		Corning/ nurfern /fujiakura PM Fiber
Center Wavelength	nm	1310、1550
Insertion Loss	dB	0.5
Extinction Ratio	dB	23
Return Loss	dB	50
End-face Angle	°	0、8、42.5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85
Commonly Used Connectors		FC/LC

