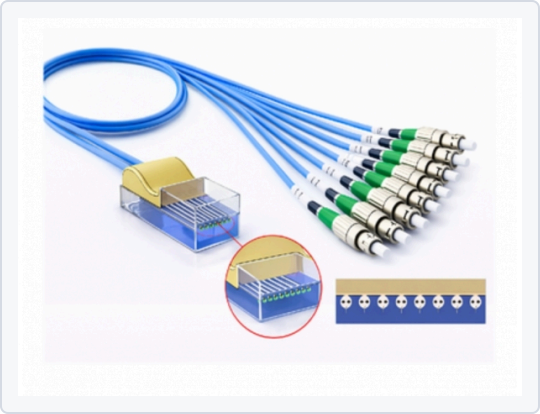
FIBER ARRAYS

PM Fiber Array

Polarization-maintaining fiber array in 1 to 64 channels, with axis alignment held across the array.



Key Features

- Polarization-maintaining fiber with rotational axis alignment
- Channel counts of 1, 2, 4, 8, 16, 32 and 64
- Consistent extinction ratio across channels
- Operating wavelength set by the specified PM fiber
- Custom pitch, count and end angle to order

Applications

- Polarization-sensitive photonic integrated circuits
- Coherent receiver and modulator packaging
- Interferometric fiber sensor arrays
- Gyroscope and inertial sensor assemblies

Overview

The polarization-maintaining fiber array adds a second alignment requirement to the usual one: as well as positioning each fiber core on pitch, the stress-rod axis of every fiber must be rotationally aligned. That alignment is what lets a PM array feed a polarization-sensitive chip without scrambling the launch state channel to channel.

Counts run from 1 to 64. Operating wavelength follows the PM fiber specified, so the array is built around the band you are working in.

Specifications

Configuration

PARAMETER	VALUE	CONDITIONS
Number of Channels	1, 2, 4, 8, 16, 32, 64	
Fiber Type	Polarization maintaining	
Operating Wavelength	Set by specified fiber type	
Insertion Loss	Low	Configuration dependent

NOTES

1. Extinction ratio and insertion loss depend on fiber type, channel count and coupling geometry. Contact sales for a specified figure.

Order or request a quote
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