



Polarization Maintaining Patch-cord

The Polarization Maintaining Patch-cord (Polarization Maintaining jumper) have orthogonal “slow” and “fast” axes with different propagation constants. There is little coupling between the polarization modes, therefore, light launched on one axis would propagate on that axis. It features high extinction ratio as a result of very accurate active alignment between PM Major axis and the connector key. Various PM fiber and connectors are available.



Features

- ◆ High Return Loss
- ◆ High Extinction Ratio
- ◆ Low Insertion Loss
- ◆ Excellent stability and reliability

Applications

- ◆ Fiber Laser
- ◆ Fiber Instruments
- ◆ Fiber I/O Port
- ◆ Optical Transmitters & Transceivers

Performance Specifications

Parameters	Values			
	UPC		APC	
Connector type				
Operating wavelength (nm)	980, 1064, 1310, 1550			
Grade	P	A	P	A
Insertion loss (dB)	≤0.3	≤0.4	≤0.4	≤0.5
Extinction ratio (dB)	≥25	≥23	≥25	≥23
Return loss (dB)	≥55	≥50	≥65	≥60
Repeatability (dB)	≤0.1			
Changeability (dB)	≤0.2			
Optical Power(mW)	≤300			
Durability (times)	≥1000			
Fiber Type	Panda fiber			
Operation Temperature(°C)	-5 to 75			
Storage temperature (°C)	-40°C ~ + 85 °C			

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

Order information

PMPC-①①-②③-④⑤⑤-⑥⑥-⑦⑦

①①	②	③	④	⑤⑤	⑥⑥	⑦⑦
Wavelength	Grade	Axis Alignment	Fiber Type	Fiber Diameter	Fiber Length	Connector
98:980nm 64:1064nm 13:1310nm 15:1550nm XX:Others	P:P Grade A:A Grade	S:Slow Axis F:Fast axis	0:SMF-28e 1:Panda fiber X:Others	25:250um 90:900um 20:2.0mm XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others