Polarization-Maintaining Fiber Optic Patch

Polarization jumpers 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.

Specifications

Parameters	value		
Operating wavelength (nm)	1064, 1310, 1550		
Connector Type	FC/UPC, SC/UPC, LC/UPC,FC/APC, SC/APC, LC/APC		
Grade	S	P	A
Insertion loss (dB)	≤0.2	≤0.3	≤0.5
Extinction ratio (dB)	≥26	≥23	≥20
Return loss (dB)	APC≥50 UPC ≥55		
Repeatability (dB)	≤0.1		
Optical Power(mW)	≤500		
Fiber Length Tolerance	5%		
Fiber Type	Panda fiber		
Operation Temperature(°C)	-5 to 75		
Storage temperature (℃)	-40℃ ~ + 85 ℃		

Order Information

P/N: FCPC   -❶-❷-❸-❹-❺-❻-❼

❶ Operating Wavelength	❷ Grade	❸ Connector Alignment	❹ Fiber Type	❺ Fiber Diameter	❻ Fiber Length	❼ Connector
106:1064nm	S:S	F:Fast	P:Panda	2:250µm	05:0.5m	FA: FC/APC
13:1310nm	P:P	S:Slow	X:XX	9:900µm	10:1m	SA: SC/APC
15:1550nm	A:A			2:2.0mm	15:1.5m	LA: LC/APC
X:XX				3:3.0mm	X:XX	

Note1: The PM fiber and the connector key are aligned slow axis.
Note2: IL, RL and ER Values specified are without connector loss.
Note3: Specifications are subject to change without notice.

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