



Polarization Maintaining (PM) Coupler

Polarization Maintaining (PM) Coupler used for monitoring or splitting optical signals in Polarization Maintaining fiber. The component is available in any coupling ratio from 1% to 50%. Employing our product's proven advanced micro-optic design, it features low insertion loss, high extinction ratio ,epoxy-free optical path, high stability, high reliability, and compact package.

Features

- Low Crosstalk
- Low Insertion Loss
- High exaction ratio

Applications

- Optical amplifiers
- Fiber lasers
- Fiber sensor
- Coherent communication



Specifications

Parameter	P Grade	A Grade	Unit
Operating Wavelength	1310±40, 1550±40 ,850±30 or other		nm
Typical excess loss (dB)	0.2	0.35	dB
Extinction Ratio (ER)	25	20	dB
Min. Extinction ratio over full temperature (dB)	≥23	≥18	dB
Splitting ratio (%)	1/99-50/50		
Splitting ratio error (%)	≤3	≤5	%
Directivity	> 55		dB
Optical Power Handling	< 300		mW
Operating Temperature Range	-40 ~ 70		°C
Storage Temperature	-55 ~ 85		°C
Pigtail length	1 meter or custom		m
Fiber configuration	1X2 or 2X2 or 3X3		
Fiber Type	9/125 Panda Or 80μ		
Package Dimension	Φ3.0x 35		mm

Order Information

P/N: PMC - ① - ② - ③ - ④ - ⑤ - ⑥ - ⑦

Port	① Operating Wavelength	② Coupling Ratio	③ Fiber Type	④ Fiber Diameter	⑤ Fiber Length	⑥ Connector
1: 1X2	85:850nm	50:50/50	P1:9/125	2:250μm	1:0.8 m	00: bare fiber
2: 2X2	13:1310nm	40:40/60	P2: 80μ	9:900μm	2:1.0 m	FA:FC/APC
3: 3X3	15:1550nm	30:30/70	X:XX	2:2.0mm	X:XX	SA:SC/APC
X:XXX	X:XX	X:XX		3:3.0mm		LA:LC/APC

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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