



Polarization Maintaining Fiber Coupler (PMC)



Overview:

LightComm uses its unique fusing technique and polarization maintaining fiber to build the polarization maintaining fiber coupler (PMC). The coupling ratio could be selected according to customer's request. It features low excess loss, small size and high polarization extinction ratio. PMC is widely used for optical sensors and optical gyro.

Features:

- * Low excess loss
- * High polarization extinction ratio
- * Mini size
- * Any coupling ratio
- * High stability and reliability

Applications:

- Optical sensor
- * Optical gyro
- * Polarization maintaining fiber laser

Specification:

Parameter \ Grade	P	A
Operating wavelength (nm)	1310 or 1550, others on request	
Typical excess loss (dB)	0.2	0.8
Extinction ratio (dB)	>20	>18
Coupling ratio	1/99 ~ 50/50	
Coupling ratio accuracy	±2%	
Operating temperature (°C)	-40 - +85	

*Other specifications can be made on customer request.

Package Information:

Configuration	1×2 or 2×2		
Fiber lead length	1 meter, others on request		
Fiber type	250 μm bare fiber	900 μm loose tube	900 μm/2mm/ 3mm loose tube
Dimensions (φ × L)	φ 8.0mm × 54mm	φ 8.0mm × 70mm	90mm × 14mm × 8.5mm
	φ 2.4mm × 42mm	φ 8.0mm × 54mm	

*Other package dimensions can be made on customer request.

Ordering Information:

PMC-X-XXX-XXXX-XX/XX-X-X-XX/XXX-XX*XX

