

1X3 Polarization Maintaining Coupler

Description

LightComm uses unique fusing technique and polarization maintaining fiber to build the 1x3 polarization maintaining fused coupler (1x3PMC). 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, optical amplifier.

Mechanical Dimension



Specifications

No	Parameters		Specification			Unit
			Min.	Typ	Max.	
1	Coupling ratio		33/33/33			
2	Fiber type		PM panda fiber			
3	Pigtail type		250um bare fiber			
4	Package size		Φ3.0*45			mm
5	Operating Wavelength		1310 or 1550			nm
6	Bandwidth		+/-15			nm
7	Power handling		500			mW
8	Storage Temperature Range		-40 ~ 85			° C
9	Operating Temperature Range		-5 ~ 75			° C
10	IL @ central wavelength	P grade	---	5.5	6.0	dB
		A grade		5.8	6.2	
11	EL	P grade		0.5	0.8	dB
		A grade		0.7	1.0	
12	ER	P grade	18	20		dB
		A grade	16	18		
13	RL		50			dB

* The specifications are without connectors. For devices with connectors, 0.3dB higher for IL, and 2dB lower for ER

* Slow axis working, If both axis needed, IL should be 0.2dB higher.

Ordering Information

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

