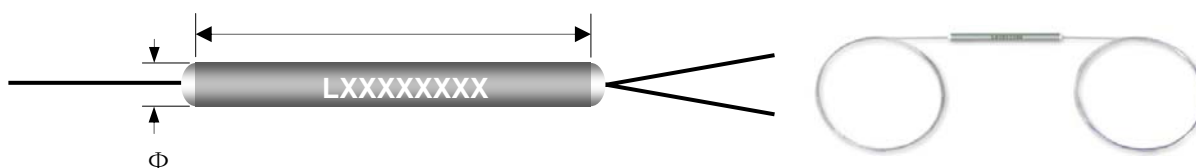


Polarization Maintaining Fused Wide Band Coupler(PMWBC)

Description

LightComm uses unique fusing technique and polarization maintaining fiber to build the polarization maintaining fused wide band coupler (PMWBC).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

Operating wavelength	CR	IL (dB)	ER (dB)		Dimensions Φ×L(mm)
			P	A	
1310, 1480, 1550 ±40nm	50/50	≤3.8	≥20	≥18	3×54 or customized
	30/70	≤6.1/2.3			
	20/80	≤8.1/1.7			
	10/90	≤11.5/1.2	≥18/20	≥16/20	
	5/95	≤14.5/0.9			
	3/97	≤17.1/0.6			
	2/98	≤18.5/0.5	≥no/20	≥no/18	
	1/99	≤22.0/0.45			
	0.1/99.9	28~32 / 0.4			

Parameter	Unit	Specification
Return loss	dB	≥50
Directivity	dB	≥50
Power handling	mW	≤500
Operating temperature	°C	-5~75
Storage temperature	°C	-40~85
Fiber type	°C	Panda PM fiber

- 1).The specifications are without connectors. For devices with connectors, IL should be 0.3 dB higher ,and ER should be 2dB lower.
- 2).For device adding connectors, key aligns to slow axis if no special requirement.

Ordering Information

PMWBC-X-XXX-XXX-XX/XX-X-X-XX/XXX-XX*XX

