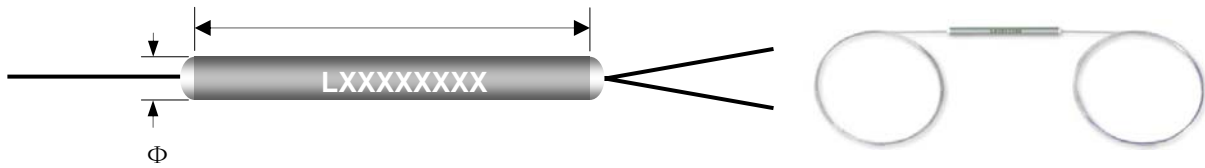


Polarization Maintaining Fused WDM(PMWDM)

Description

LightComm uses unique fusing technique and polarization maintaining fiber to build the polarization maintaining fused WDM (PMWDM).The wavelength could be selected according to customer’s request. It features low excess loss, small size ,high polarization extinction ratio and high isolation. PMWDM is widely used for optical sensors, fiber gyro, optical amplifier.

Mechanical Dimension



Specifications

WDM	Operating wavelength(nm)	IL (dB)		ER (dB)		Isolation	Dimension $\Phi \times L$ (mm)
		P grade	A grade	P grade	A grade		
980 / 1550	980±10	≤0.7	≤0.8	≥20	≥18	≥20	3×54,3×70 or customized
	1550±20	≤0.7	≤0.8	≥20	≥18	≥20	
1064/ 1550	1064±10	≤0.7	≤0.8	≥20	≥18	≥19	3*54 or customized
	1550±20	≤0.7	≤0.8	≥20	≥18	≥19	
980 / 1064	980±5	≤0.75	≤0.85	≥19	≥17	≥14	3*60 or customized
	1064±5	≤0.75	≤0.85	≥19	≥17	≥14	

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 connector. For devices with connectors,0.5dB higher for IL, and 2dB lower for ER.
- 2). The specifications are given for slow axis working only, if fast axis or both axis working needed, IL will be 0.3dB higher.
- 3). For device adding connectors, key aligns to slow axis if no special requirement.

Ordering Information

PMWDM-X-XXX-XXXX/XXXX-X-X-XX/XXX-XX*XX

