



## PM Fused WDM (FPWDM)

	Lightstar	
Spec. Number		
Date		
Lightstar Part Number		

### Specifications:

Parameter	1550/980	1550/1064	1064/980	980/1030
Operating wavelength (nm)	1550 ± 15/ 980 ± 10	1550 ± 15/ 1064 ± 10	1064 ± 5/ 980 ± 5	980 ± 5/ 1030 ± 5
Insertion loss For Signal port(dB)	≤0.7	≤0.7	≤0.7	≤0.7
Insertion loss For Pump port(dB)	≤0.5	≤0.5	≤0.5	≤0.5
Isolation(dB)	≥18	≥20	≥13	≥13
Extinction Ratio(dB)	≥18	≥18	≥17	≥17
Fiber	PM980	PM980	PM980	PM980
Directivity (dB)	≥55			
Operating temperature (°C)	-40 ~ +85			

Parameter	1550/850	1550/780	1064/635	1550/635
Operating wavelength (nm)	1550±15 850±10	1550±15 780±10	1064±15 635±20	1550nm ±15 635±20
Insertion loss (dB)	≤0.6dB @1550nm ≤1.2(dB) @850nm	≤0.6(dB) @1550nm ≤1.2(dB) @780nm	≤0.6(dB)@1064nm ≤1.2(dB)@635nm	≤0.6(dB)@150nm ≤1.2(dB)@635nm
Isolation(dB)	≥25(dB)@1550nm ≥12(dB)@850nm	≥25(dB)@1550nm ≥12(dB)@780nm	≥25(dB)@1064nm ≥12(dB)@635nm	≥25(dB)@1550nm ≥12(dB)@635nm
Extinction Ratio(dB)	≥18	≥18	≥18	≥18
Fiber	PM1550	PM1550	PM980	PM1550
Directivity (dB)	≥55			
Operating temperature (°C)	-40 ~ +85			

The specifications are without connector. For devices with connectors, 0.3dB higher for IL, and 2dB lower for ER. The default connector key is aligned to slow axis.

