

1×3 Fused Polarization Maintaining Fiber Broadband Splitter

(Patent pending)

Product Description

The fused PM fiber broadband splitter comes with low excess loss, high extinction ratio, high optical power handling and Telcordia GR-1209 compliant test. It has wide range of applications such as optical amplifier, optical sensor, coherent optical system and optical testing equipment.



Performance Specifications

1x3 PM Broadband Fiber Splitter	Specification		Unit
	Premium	A grade	
Operation Wavelength	1550/1480/1310 ± 30		nm
Port Configuration	1×3(33:33:33)		
Excess Loss (Typical)	≤0.3	≤0.5	dB
Excess Loss (Maximum)	≤0.6	≤0.8	dB
Polarization Extinction Ratio (Minimum)	≥20	≥17	dB
Splitting Ratio Tolerance (Maximum)	± 4	± 6	%
Return Loss* (Minimum)	≥50		dB
Directivity* (Minimum)	≥55		dB
Operating Power (Maximum)	≤2		W
Operating Temperature	-40 ~ +85		°C
Storage Temperature	-50 ~ +85		°C
Package Type	∅3.0 x L54		mm
* Test at central wavelength only			
All specification are based on slow-axis alignment and without connector			

Features

- Low Excess Loss •
- High Extinction Ratio •
- High Power Handling •
- Telcordia GR-1209 Compliant Test

Applications

- Optical Amplifier
- Optical Sensor
- Coherent Optical System
- Optical Test Equipment

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Ordering Information

FCPB-	3	┌	┌	┌	1	┌	3	┌
	Configuration	Wavelength	Grade	Package	Fiber Type	Fiber Length	Coupling Ratio	Connector
	1×3=3	1310=3 1550=5 1480=4 Special=0	Premium=1 A grade=2 Special=0	ø3.0x54=1 Special=0	250 Panda Fiber	1=0.25m 2=0.5m 3=1.0m 4=1.5m 5=2.0m 0=Special	33:33:33=3	None=1 FC/PC= 2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0