

# 1x3 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	1x3(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

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	Configuration	Wavelength	Grade	Package	Fiber Type	Fiber Length	Coupling Ratio	Connector
	1x3=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