

1×2(2×2) Fused Polarization Maintaining Compact Fiber Tap

(patent pending)

Product Description

The compact-sized fused polarization maintaining fiber tap 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, power monitoring, telecomm system and testing equipment.



Performance Specifications

Hybrid PM Fiber Tap	Specification		Unit
	Premium	A grade	
Operation Wavelength	1550/1480/1310 ± 20		nm
Port Configuration	1×2		
Excess Loss (Typical)	≤0.3	≤0.5	dB
Excess Loss (Maximum)	≤0.5	≤0.7	dB
PER for Through Port (Minimum)	≥20	≥17	dB
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

Applications

- Optical Amplifier
- Power Monitoring
- Telecomm System
- Testing Equipment

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Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)	
	Premium	A Grade
99.5/0.5	±0.2	±0.3
99/1	±0.4	±0.5
98/2	±0.7	±1.0
95/5	±1.8	±2.1
90/10	±2.5	±3.0
80/20	±3.0	±4.0

Ordering Information

FCPT-					1			
	Configuration	Wavelength	Grade	Package	Fiber Type	Fiber Length	Coupling Ratio	Connector
	1×2=12 2×2=22	1310=3 1550=5 1480=4 Special=0	Premium=1 A grade=2 Special=0	∅3.0x30=1 Special=0	Bare Panda Fiber	1=0.25m 2=0.5m 3=1.0m 4=1.5m 5=2.0m 0=Special	0.5/99.5=1 01/99=2 03/98=3 05/95=3 10/90=4 20/80=5 Special=0	None=1 FC/PC= 2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0