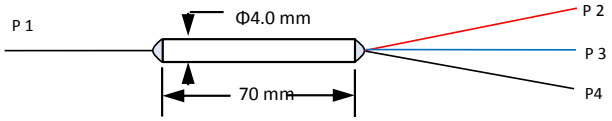
1×3 Monolithic Fused Polarization Maintaining Coupler

The 980nm 1×3 Monolithic Fused Polarization Maintaining (PM) Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at 33:33:33 ratio while preserving the polarization with high extinction ratio. High power handling up to 2W.



Features

Low Excess Loss
High Polarization Extinction Ratio (PER)
high Power Handling
Compliant to Telcordia GR-1221-CORE

Applications

Fiber Amplifier
Fiber Sensor
Power Monitoring
Fiber Laser
Lab & Research

Performance Specification

Parameter	Value	Unit
Configuration	1X3	
Center Wavelength	980 or customized	nm
Bandwidth	±20	nm
Typ. Excess Loss	0.6	dB
Max. Excess Loss	0.8	dB
Min. PER	17	dB
Splitting Ratio	33:33:33	%
Max. Splitting Ratio Tolerance	±6	%
Max. Optical Power (Continuous Wave	2 or customized	W
Max. Tensile Load	5	N
Fiber Type	PM Panda Fiber on Input & Output Port	
Operating Temperature	-40 to +80	℃
Storage Temperature	-50 to +85	℃
Package Dimension	Φ4.0×L70	mm

Note

** Test at center wavelength without connector. For devices with connectors, EL will be 0.3dB higher, and PER will be 2dB lower.*
** Available for fast axis operating or slow axis operating.*
** The PM fiber and the connector key are aligned to the slow axis.*

Ordering Information

FPMC-AAAA-BB-CCC-DD-E-FF-GG-H

AAAA	BB	CCC	DD	E	FF	GG	H
Wavelength	**Port**	**Coupling Ratio**	**Fiber Type on Tap Port**	**Fiber Jacket**	**Fiber Length**	**Connector**	**Working Axis**
980 - 980nm SSSS - Specify	13 - 1X3	333 - 33/33/33	PM - PM Panda Fiber SS - Specify	B - 250um Bare Fiber L - 900um Loose Tube C - 3.0mm Cable	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify	F - Fast Axis Operating S - Slow Axis Operating