Polarization Beam Combiner/Splitter

Features

Compact High Performance
High Extinction Ratio
Low Insertion Loss
High Directivity

Applications

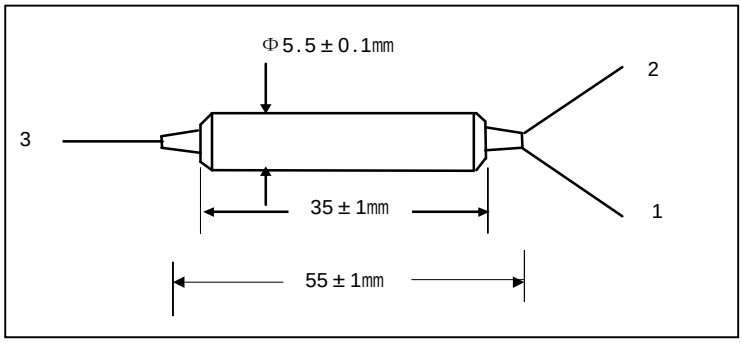
Polarization Mode Dispersion Compensator
EDFA & Raman Amplifier
Coherent Telecommunication Systems
Fiber Optic Sensor

Specifications

Parameter	Unit	Values	
Grade		Grade P	Grade A
Center Wavelength	nm	1310,1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Insertion loss	dB	0.4	0.5
Max. Insertion loss	dB	0.6	0.7
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	22	20
Min. Directivity	dB	50	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM Panda Fiber on Port 1 & 2	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-40 to +85	

*Above specifications are for device without connector.
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.
*The PM fiber and the connector key are aligned to the slow axis.

Package Dimensions



Ordering Information

PBC-①①-②-③-④④④-⑤⑤⑤-⑥-⑦
PBS-①①-②-③-④④④-⑤⑤⑤-⑥-⑦

①①: Wavelength
31 - 1310nm
48 - 1480nm
55 - 1550nm
SS - Specify

②: Grade
P - Premium
A - A Grade

③: Port
1 - 1x2

④④④: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑤⑤⑤: Fiber Jacket on Port 1, 2 & 3
B - 250um Bare Fiber
D - 400um Bare Fiber (only for PM Fiber)
L - 900um Loose Tube
S - Specify

⑥: Fiber Type on Port 3
1 - SMF-28e Fiber
2 - PM Panda Fiber, Slow Axis align 45°to Port 1
3 - PM Panda Fiber, Slow Axis align to Port 1
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify