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

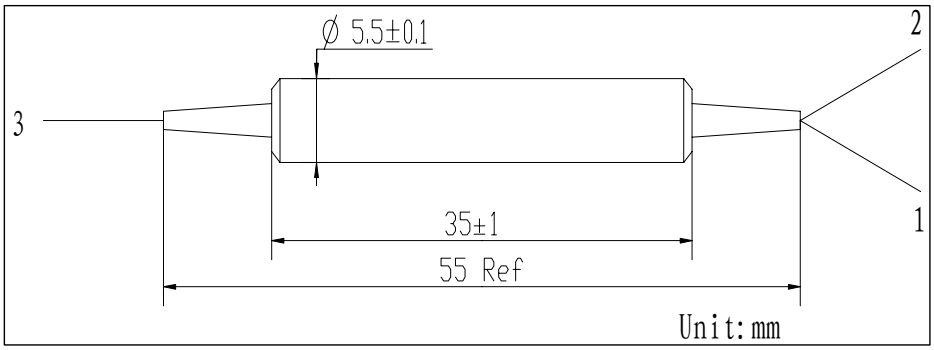
Parameter	Unit	Values	
Grade		Grade P	Grade A
Center Wavelength	nm	1310,1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Insertion loss	dB	0.4	0.5
Max. Insertion loss	dB	0.6	0.7
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	22	20
Min.PDL 23°C (only for SMF-28e Fiber on all ports)	dB	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 or Specify	
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
3 - PM Panda Fiber, Slow Axis align to Port 1
4 - All ports are SMF-28e
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify