

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

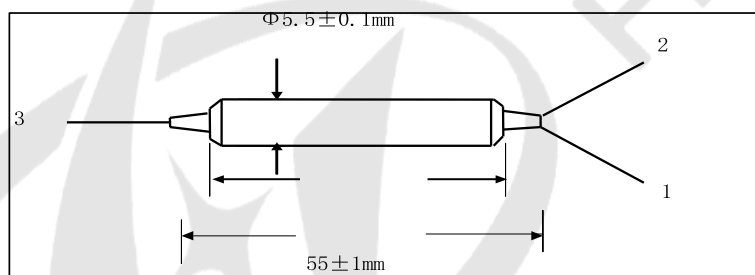
Parameter	Unit	Values	
Grade		Grade P	Grade A
Center Wavelength	nm	1310,1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Insertion loss	dB	0.4	0.5
Max. Insertion loss	dB	0.6	0.7
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	22	20
Min. Directivity	dB	50	
Max. Optical Power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