

2x2 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

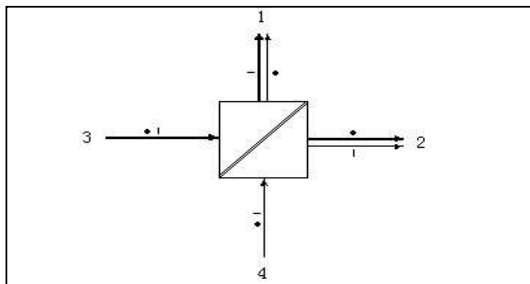
Parameter	Unit	Values	
Grade		Grade P	Grade A
Center Wavelength	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Excess Loss (Port 3 to Port 1/2 at Slow Axis; Port 4 to Port 1/2 at Fast Axis)	dB	0.6	0.8
Max. Excess Loss (Port 3 to Port 1/2 at Slow Axis; Port 4 to Port 1/2 at Fast Axis)	dB	0.8	1.0
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	20	18
Min. Directivity (Port 1 to Port 2, Port 3 to Port 4)	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.

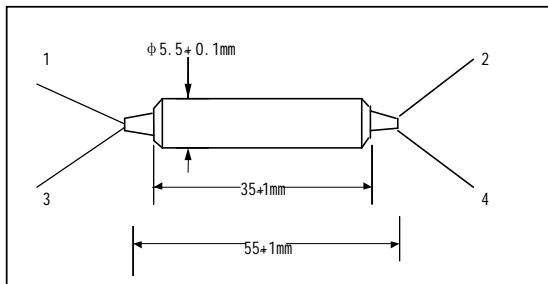
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis.

Optical Path



Package Dimensions



Ordering Information

PBC-①①-②-③-④④④④-⑤⑤⑤⑤-⑥⑥-⑦

PBS-①①-②-③-④④④④-⑤⑤⑤⑤-⑥⑥-⑦

①①: Wavelength

31 - 1310nm

48 - 1480nm

55 - 1550nm

SS - Specify

②: Grade

P - Premium

A - A Grade

S - Specify

③: Port

2 - 2x2

④④④④: Connector Type Port 1, 2, 3 & 4

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑤⑤⑤⑤: Fiber Jacket on Port 1, 2, 3 & 4

B - 250um Bare Fiber

D - 400um Bare Fiber

L - 900um Loose Tube

S - Specify

⑥⑥: Fiber Type on Port 3 & 4

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