



2x2 1064nm Polarization Beam Combiner/Splitter

Features

Compact High Performance
High Extinction Ratio
Low Insertion Loss
High Directivity

Applications

Polarization Mode Dispersion Compensator
Laser System
Coherent Telecommunication Systems
Fiber Optic Sensor

Specifications

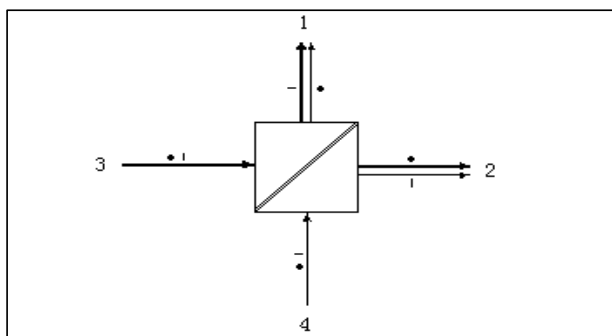
| Parameter | Unit | Values | |
|---|------|------------------------------|---------|
| Grade | | Grade P | Grade A |
| Center Wavelength | nm | 1064 | |
| Operating Wavelength Range | nm | ±20 | |
| Typ. Excess Loss (Port 3 to Port 1/2 at Slow Axis; Port 4 to Port 1/2 at Fast Axis) | dB | 0.8 | 1.0 |
| Max. Excess Loss (Port 3 to Port 1/2 at Slow Axis; Port 4 to Port 1/2 at Fast Axis) | dB | 1.0 | 1.2 |
| 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 | 300 | |
| 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.

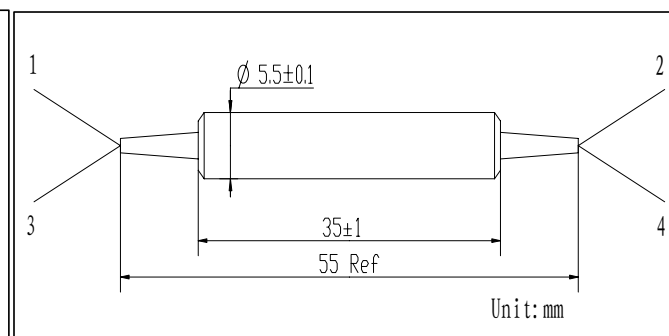
*For devices with connectors, IL will be 0.5dB higher, RL will be 5dB lower and ER will be 2dB lower.

*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

06 - 1064nm

SS - Specify

②: Grade

P - Premium Grade

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

L - 900um Loose Tube

S - Specify

⑥⑥: Fiber Type on Port 3 & 4

1 - HI 1060 Fiber

2 - PM Panda Fiber, Slow Axis align 45°to Port

3 - PM Panda Fiber, Slow Axis align to Port 1

S - Specify

⑦: Fiber Length

0.8 - 0.8m

S - Specify