



Polarization Beam Combiner/Splitter

Features

Compact High Performance
High Extinction Ratio
Low Insertion Loss
High Directivity

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	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

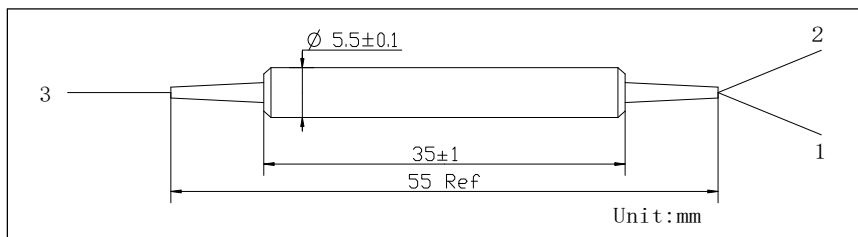
*Above specifications are for device without connector.

*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.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

PBC-①-②-③-④④④-⑤⑤⑤-⑥-⑦-⑧-⑨

PBS-①-②-③-④④④-⑤⑤⑤-⑥-⑦-⑧-⑨

- | | | |
|---|---|---|
| ①: Wavelength
1310 - 1310nm
1480 - 1480nm
1550 - 1550nm
S - Specify | ④④④: Connector Type on Port 1, 2 &3
1B - FC/UPC
2B - FC/APC
3D - SC/UPC
4D - SC/APC
N - None
S - Specify | ⑦: Axis Alignment on Port 3
1 - SM Fiber, Align to Port 1 &2 Slow Axis
2 - PM Fiber, Slow Axis Align 45°to Port 1
3 - PM Fiber, Slow Axis Align to Port 1
4 - All Ports are SM Fiber
5 - PM Fiber, Fast Axis Align to Port 1
6 - PM Fiber, Slow Axis Align to Slow Axis of Port 1
and Fast Axis Align to Fast Axis of Port 2
7 - PM Fiber, Align to SM Fiber Port 1
8 - PM Fiber, Align 45° to SM Fiber Port 1
9 - PM Fiber, Align 45° to Port 1, Port 2 Align to Fast Axis
10 - SM Fiber, Align to Port 1&2 Fast Axis |
| ②: Grade
P - Premium
A - A Grade | ⑤⑤⑤: Fiber Jacket on Port 1, 2 &3
B - Bare Fiber
C - 900um Red Loose Tube
F - 900um White Loose Tube
S - Specify | ⑧: Fiber Length
0.8 - 0.8m
S - Specify |
| ③: Port
1 - 1x2 | ⑥: Fiber Type
05A - Port 1, 2&3: PM1300
07A - Port 1, 2&3: PM1550
13A - Port 1&2: PM1300, Port 3: SMF-28e
15A - Port 1&2: PM1550, Port 3: SMF-28e
19 - Port 1, 2&3: SMF-28e
S - Specify | ⑨: Package Type
01 - Ø5.5×35 |