
Optizone Polarization Beam Combiner/Splitter
Features

Compact High Performance
High Extinction Ratio
Low Insertion Loss
High Directivity

Specifications

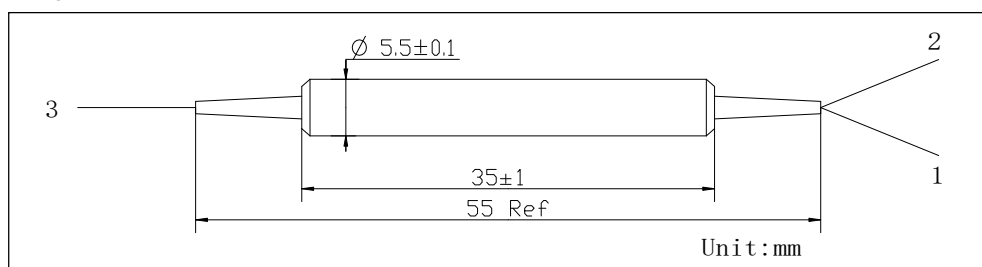
Parameter	Unit	Values	
		Grade P	Grade A
Grade			
Center Wavelength	nm	1310,1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Insertion Loss	dB	0.4	0.5
Max. Insertion Loss	dB	0.6	0.7
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	22	20
Min.PDL 23°C (only for SMF-28e Fiber on 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-①①①①-②-③-④④④-⑤⑤⑤-⑥-⑦-⑧-⑨

PBS-①①①①-②-③-④④④-⑤⑤⑤-⑥-⑦-⑧-⑨

①: Wavelength

1310 - 1310nm

1480 - 1480nm

1550 - 1550nm

S - Specify

②: Grade

P - Premium

A - A Grade

③: Port

1 - 1x2

④④④: Connector Type on Port 1, 2 & 3

1A - FC/UPC

2A - FC/APC

3D - SC/UPC

4D - SC/APC

N - None

S - Specify

⑤⑤⑤: Fiber Jacket on Port 1, 2 & 3

B - Bare Fiber

C - 900um Red Loose Tube

F - 900um White Loose Tube

S - Specify

⑥: Fiber Type

05B - Port 1, 2&3: PM1300

07B - Port 1, 2&3: PM1550

13B - Port 1&2: PM1300, Port 3: SMF-28e

15B - Port 1&2: PM1550, Port 3: SMF-28e

19 - Port 1, 2&3: SMF-28e

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 Port 1 and Fast Axis Align to 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

⑧: Fiber Length

0.8 - 0.8m

S - Specify

⑨: Package Type

01 - Ø5.5×35