

## 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	
		Single stage	Dual stage
Stage		Single stage	Dual stage
Center Wavelength	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Insertion loss	dB	0.45	0.55
Max. Insertion loss	dB	0.7	0.8
Typ. Isolation	dB	38	52
Min. Isolation @23°C	dB	20	42
Min. Extinction Ratio (for Splitter only)	dB	20	20
Min. Return Loss	dB	50	
Min. Directivity	dB	50	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM Panda Fiber on Port 1 and 2, SMF-28e Fiber or PM Panda Fiber on Port 3	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

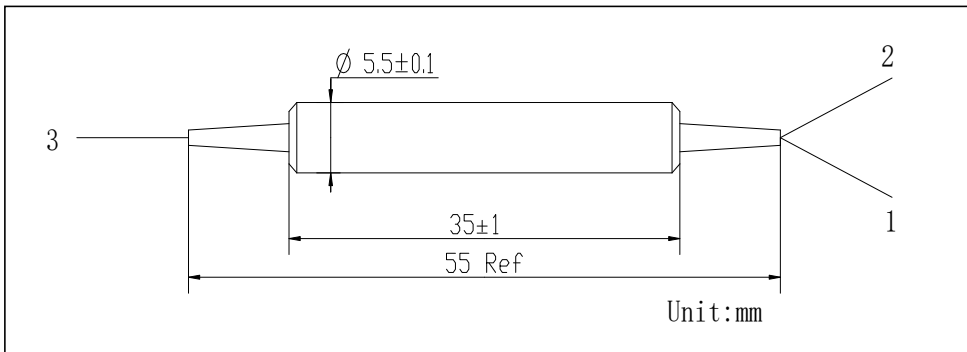
\*Above specifications are for device without connector.

\*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

**IPBC**-①-②-③③③-④④④-⑤⑤-⑥-⑦-⑧⑧

**IPBS**-①-②-③③③-④④④-⑤⑤-⑥-⑦-⑧⑧

①: Wavelength

31 - 1310nm

48 - 1480nm

55 - 1550nm

SS - Specify

④④④: Fiber Jacket on Port 1, 2 & 3

B - 250um Fiber

D - 400um Fiber

L - 900um Loose Tube (only for PM Fiber)

S - Specify

⑥: 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

S - Specify

②: Stage

S - Single Stage

D - Dual Stage

⑤⑤: Fiber Type

05B - Port 1, 2&3: PM1300

06B - Port 1, 2&3: PM14XX

07B - Port 1, 2&3: PM1550

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

14B - Port 1&2: PM14XX, Port 3: SMF-28e

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

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

S - Specify

⑦: Fiber Length

0.8 - 0.8m

S - Specify

③③③: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑧⑧: Package Type

01 - Ø5.5×35

SS - Specify