

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	

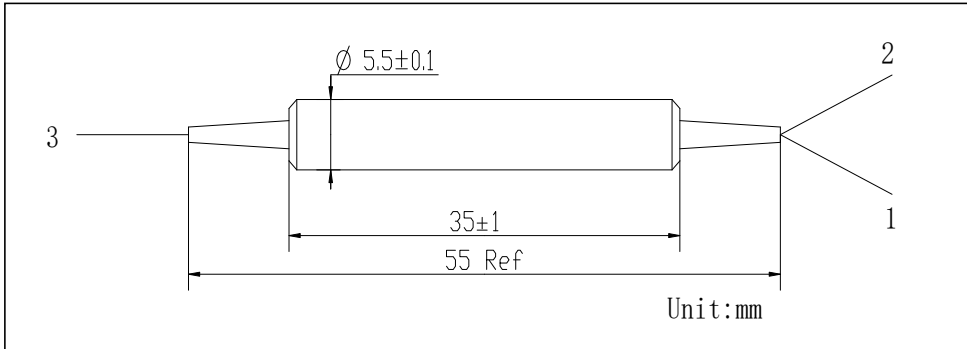
*Above specifications are for device without connector.

*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