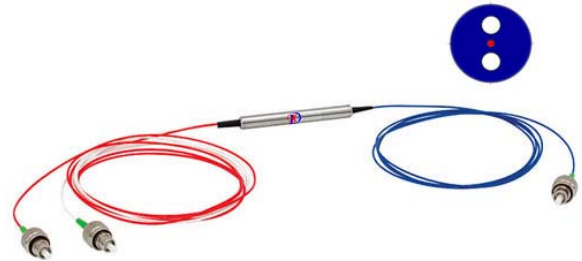
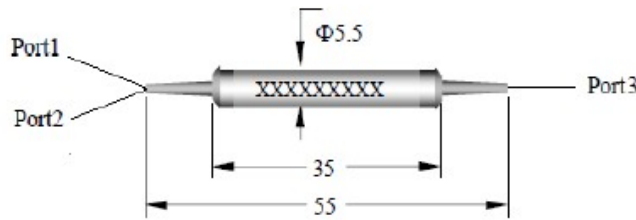




## Polarization Beam Combiner/Splitter (IPBC/S) 1064nm

The Polarization Beam Combiner/Splitter is a compact high performance lightwave component that combines two orthogonal polarization signals into one output fiber. The most common application is to combine the light of two pump lasers into a single fiber to double the pump power to an Erbium-Doped Fiber Amplifier (EDFA) or a Raman Amplifier. The typical configuration uses two PM fibers for the input and the SM fiber for the output. The device can also be used as a beam splitter.

The products are Telcordia qualification tested.



### Features

- ◆ Low Insertion Loss
- ◆ High Extinction Ratio
- ◆ Compact In-Line Package
- ◆ High Stability and Reliability

### Applications

- ◆ Fiber Laser
- ◆ Fiber Sensor
- ◆ EDFA & Raman Amplifier

### Performance Specifications

Parameter	Value
Operating wavelength(nm)	1064
Operating bandwidth(nm)	±20
Typical insertion loss(dB)	≤0.8
Return loss(dB)	≥50
Typical Extinction Ratio(dB)	≥22(for PBS)
Handling power(mW)	<300
Tensile Load(N)	<5
Fiber Type	PM 980 (Input) HI1060 or PM 980 (Output)
Operating temperature(°C)	-5 ~ +70
Storing temperature(°C)	-40 ~ +85
Package dimension(mm)	Ø5.5 x 35 or customer specified

\*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 and fast axis is blocked.

### Order information

PBC/PBS-①-②②-③③-④④-⑤⑤

①	②②	③③	④④	⑤⑤
Port	Operating Wavelength	Fiber Diameter	Fiber Length	Connector
1:1X2 2:2X1	06:1064nm XX:Others	25:250um 90:900um XX: Others	08:0.8m 10:1.0m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others