

# 0109 Polarization Beam Combiner

PBC4100-P



## 2000 nm Polarization Beam Combiner, 300 mW

The PBC has very low insertion loss, high return loss, high extinction ratio and high stability & reliability. It can be used for fiber sensor, fiber optical current transducer, optical fiber gyro and coherent telecommunication systems.

### FEATURES

- High Return Loss
- Low Insertion Loss
- High Extinction Ratio
- High Stability & Reliability

### USE IN

- Fiber Optical Current Transducer
- Fiber Sensor
- Optical Fiber Gyro
- Coherent Telecommunication Systems

### MECHANICAL DRAWING



Grade	P	
Center Wavelength	2000 nm	
Operating Wavelength Range	±40 nm	
Insertion Loss	0.8 dB typ.; 1.0 dB max.	
Extinction Ratio	20 dB min.	
Directivity	50 dB min.	
Return Loss	50 dB min.	
Power Handling	300 mW max.	
Tensile Load	5 N max.	
Fiber Type	Port 1 & 2	PM Fiber
	Port 3	SM Fiber or PM Fiber
Operating Temperature	+5°C to +70°C	
Storage Temperature	-40°C to +85°C	

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**