

# 0109 Polarization Beam Combiner

PBC1002-P



## 1550 nm POLA-MUX® Polarization Beam Combiner

The PBC1002-P is a 1550 nm POLA-MUX® polarization beam combiner. It offers very low insertion loss, high return loss, high extinction ratio, high stability and high reliability. It can be used for fiber optical current transducers, fiber sensors, optical fiber gyros and coherent telecommunication systems.

### FEATURES

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

### USE IN

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

Center Wavelength	1550 nm	
Input Orientation	Fast	Slow
Insertion Loss	0.50 dB max.	0.50 dB max.
Operating Temperature	-5°C to +70°C	
Storage Temperature	-40°C to +85°C	
Connector	None	

**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.**