

0109 Polarization Beam Combiner

PBC2000-P



1064 nm Polarization Beam Combiner

The PBC2000-P is a 1064 nm 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

| | | |
|----------------------------|---|-----------------------------------|
| Grade | P | A |
| Center Wavelength | 1064 nm | |
| Operating Wavelength Range | ±20 nm | |
| Insertion Loss@23°C | 0.6 dB typ.; 0.8 dB max. 0.7 dB typ.; 0.9 dB max. | |
| Extinction Loss@23°C | 22 dB min. | 20 dB min. |
| Directivity | 50 dB min. | |
| Return Loss | 50 dB min. | |
| Optical Power(CW) | 300 mW max. | |
| Tensile Load | 5 N max. | |
| Operating Temperature | -5°C to +70°C | |
| Storage Temperature | -40°C to +85°C | |
| Fiber Type | Port 1&2 | PM Panda Fiber |
| | Port 3 | SMF-28E, Hi1060 or PM Panda Fiber |