

0109 Polarization Beam Combiner



1450 nm Polarization Beam Combiner

The PBC1001-P is a 1450 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

Center Wavelength	1450 nm	
Insertion Loss	0.32 dB	
Fiber Extinction Loss	19.7/22.0 dB	
Splitting Extinction Loss	20/20.0 dB	
Splitting loss	0.25/0.19 dB	
Combining Loss	0.38/0.26 dB	
Return Loss	55 dB min.	
Operating Temperature	-5°C to +70°C	
Storage Temperature	-40°C to +85°C	
Fiber Type	Port 1	PM Panda Fiber
	Port 2	Clear
	Port 3	SM-28 Fiber
Fiber Length	1 m	