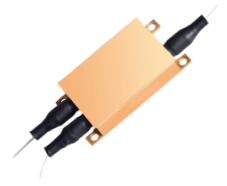


# 0109 Polarization Beam Combiner

PBC1003-P



## 1440 nm Polarization Beam Combiner w/ PM Fiber Output

The PBC1003-P is a 1440 nm polarization beam combiner w/ PM fiber output. 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	1440 nm
Insertion Loss 1-3	0.68 dB
Insertion Loss 2-3	0.68 dB
Polarization Extinction Ratio Port 1	16 dB
Polarization Extinction Ratio Port 2	21 dB
Return Loss	50 dB min.
Fiber Type	#1, #2, #3 w/ Panda PM Fiber
Fiber Length	#1, #2 1.0 m min.; #3 5.0 m min.