

0109 Polarization Beam Combiner

PBS1300-P

850 nm Polarization Beam Splitter, 300 mW

The PBS1300-P 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.

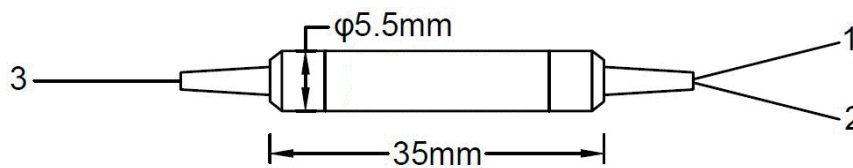
FEATURES

- 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	A
Center Wavelength	850 nm	
Operating Wavelength Range	±10 nm	
Insertion Loss at 23°C	0.6 dB typ.; 0.8 dB max.	0.7 dB typ.; 0.9 dB max.
Extinction Ratio at 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.	
Fiber Type	Port 1 & 2	PM Panda Fiber
	Port 3	SM Fiber or PM Panda Fiber
Operating Temperature	+5°C to +70°C	
Storage Temperature	-40°C to +85°C	