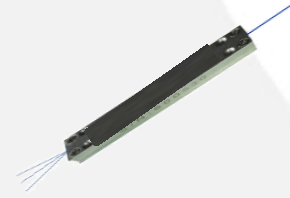




0109 Polarization Beam Combiner

B2000-P



980/1060 (1+1)x1 Pump & Signal Combiner

The combiner features exceptional optical characteristics. These devices can combine 2 pump lasers and 1 signal channel into one fiber and create a high power pump laser source, delivering the combined power for applications in industrial, military, medical and telecommunications markets. It has a heat sink package and a hole for temperature monitoring.

Passive
Devices

Passive
Devices

FEATURES

- High Power Transfer Efficiency
- Low Signal Insertion Loss
- High PER
- High Power Package
- Freely Selectable Signal and Pump Wavelength
- Custom Configurations Available

USE IN

- Pumping of Fiber Laser and Amplifier
- Pumping of Multi-core and Large Mode Area Fibers (LMA)
- Pump Combiner for Nd-, Yb-, Er-, Ho-, Tm-Fiber
- Industrial, Telecommunication, Biomedical,
- Metrology, Life Science, Imaging, Quantum Optics
- Gravitational Wave Detection, Atom Cooling and Trapping



0109 Polarization Beam Combiner

Passive
Devices

Passive
Devices

Signal Operating Wavelengths	1020 nm to 1080 nm
Pump Operating Wavelengths	780 nm to 1000 nm
Number of Multimode Inputs	2
Number of Signal Ports	1
Number of Output Ports	1
Pump Input Fiber	105/125 μ m, NA 0.22
Signal Input Fiber	PM 10/125 μ m, NA 0.08/0.46
Output Fiber	PM 10/125 μ m, NA 0.08/0.46
Pump Efficiency	90% min.
Signal Insertion Loss	0.5 dB max.
Polarization Extinction Ratio	18 dB min.
Power per Multimode Input	50 W
Optical Return Loss-Pumps	40 dB
Operating Temperature	0°C to +75°C
Storage Temperature	-40°C to +85°C