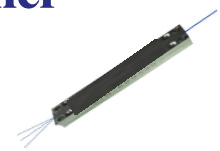
sales@wdmquest.com
www.wdmquest.com

0109 Polarization Beam Combiner

B2300-P



980/1550 PLMA (1+2)x1 Combiner, Nufern PM-GDF-12/130-M

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.

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

Signal Operating Wavelengths	1030 nm to 1080 nm
Pump Operating Wavelengths	800 nm to 1000 nm
Number of Multimode Inputs	2
Number of Signal Ports	1
Number of Output Ports	1
Pump Input Fiber	105/125 μm, NA 0.22
Signal & Output lFiber	Nufern PM-GDF-12/130-M
Pump Fiber	Nufern MM-S105/125-22A
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

Note: Package dimensions: D1: ϕ 4.0x60mm, D2:50x5x5mm, D3:70x12x8mm, D4:75x12x8mm, D5=80x12x10mm, D6=100x15x10mm, D7=100x28x12.6mm-HP, C=Customized; Please contact.

Order notes to our customers: **The default parameters are as follows. For special needs, please contact sales.**

1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.