

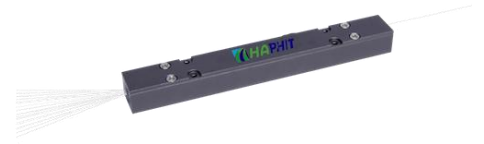
C/L Band Multimode Pump and Signal PM Combiner

FEATURES

- High Input Optical Power
- Multiple Input Ports
- High Reliability and Stability
- Low Profile Packaging
- High Coupling Ratio

APPLICATIONS

- Fiber Laser
- Optical Amplifier
- High Power Laser
- Laser Source
- Labs



SPECIFICATIONS

| Parameter | Unit | Value | | |
|----------------------------------|------|---|------------------|----------|
| Pump Wavelength Range | nm | 915, 950, 975, 980, 1480 | | |
| Signal Wavelength Range | nm | 1530~1580, 1570~1610 | | |
| Pump Input Fiber | - | 105/125um NA=0.12(D), NA=0.15(B) or NA=0.22(A) 106.5/125um NA=0.22(J), 200/220um, NA=0.22(C), 220/242um NA=0.22(C1), 400/440um NA=0.22(U) or specified by customer | | |
| Signal Fiber & Common Fiber | - | PM1550 Fiber(S), 8/125um NA=0.12(M), 6/125um NA=0.18(M1), 10/125um NA=0.075(O), 12/130um NA=0.2(T), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/300um NA=0.09(G), 25/400um NA=0.065(R1), 30/250um NA=0.06(R6), 30/400um NA=0.06(R3) or specified by customer | | |
| Configuration | - | (1+1)x1, (2+1)x1 | (4+1)x1, (6+1)x1 | (18+1)x1 |
| Pump Direction | - | Forward Pump or Backward Pump | | |
| Signal Insertion Loss | dB | ≤0.5 | ≤0.7 | ≤0.8 |
| Signal Extinction Ratio | dB | ≥16 | | |
| Max. Pump Power Per Port (CW) | W | 25, 50, 100, 200, 300, 400, 500 | | |
| Max. Input Signal Power (CW) | W | 10, 50, 100, 200, 500, 1000, 2000 | | |
| Pump Efficiency | % | ≥90% | | |
| Signal Isolation (Backward Pump) | dB | ≥20 | | |
| Pump Return Loss | dB | ≥30 | | |
| Operating Temperature | °C | 0~50 | | |
| Storage Temperature | °C | -40~85 | | |
| Package Dimension | mm | A: 65 ^L x12 ^W x7 ^H , B: 100 ^L x12 ^W x10 ^H | | |
| | | C: 70 ^L x12 ^W x8 ^H , D: 100 ^L x15 ^W x10 ^H | | |

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 10dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Specifications are tested at low order modes.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.
 - Package size may be different for different fiber type, optical power and configuration.

ORDERING INFORMATION (PN)

| FMSP-NNNN - C(N) | | | C(N) | C(N) | N | C | -C | NN | -(NNN) - C | NN | -C | |
|------------------|-----------|---------------------|---------------------|---------------------|---------------|------------|----------|------------|---------------|---------------|--------------|----------------|
| Pump WL | Signal WL | Pump Fiber | Signal Fiber | Common Fiber | Configuration | Pump | Package | Pump Power | Signal Power | Fiber Sleeve | Fiber Length | Connector |
| 91-915nm | 15-1550nm | A=105/125 NA=0.22 | S=PM1550 Fiber | O=10/125PMDC Fiber | 1-(1+1)x1 | Direction | A=A Type | 25-25W | 100-100W | B= Bare Fiber | 05-0.5m | N=No Connector |
| 95-950nm | 59-1590nm | B=105/125 NA=0.15 | M=8/125PMDC Fiber | Q=20/130PMDC Fiber | 2-(2+1)x1 | F=Forward | B=B Type | 50-50W | 500-500W | | 10-1.0m | |
| 98-980nm | | C1=220/242 NA=0.22 | O=10/125PMDC Fiber | G=25/300PMDC Fiber | 6-(6+1)x1 | B=Backward | C=C Type | 100-100W | 1000-1000W | | 15-1.5m | |
| 14-1480nm | | J=106.5/125 NA=0.22 | R=25/250PMDC Fiber | R1=25/400PMDC Fiber | 18-(18+1)x1 | D=D Type | | 300-300W | Blank for 10W | | 20-2.0m | |
| | | | R1=25/400PMDC Fiber | M1=6/125PMDC Fiber | | | | | | | | |

