

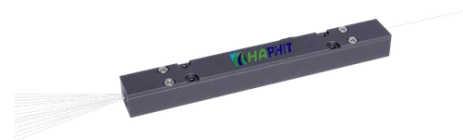
Laser Beam Combiner

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
Laser Signal Wavelength	nm	1020, 1030, 1040, 1053, 1064, 1070, 1080, 1092, 1103, 1120, 1150, 1550, 1590 1900, 1950, 2000, 2050
Input Fiber	-	6/125um NA=0.14(N), 5/130um NA=0.12(N1), 8/125um NA=0.12(M), 6/125um NA=0.18(M1), 10/125um NA=0.075(O), 10/130um NA=0.15(O1), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/300um NA=0.09(G), 25/250um NA=0.09(R2), 25/400um NA=0.065(R1), 30/250um NA=0.06(R6), 30/400um NA=0.06(R3), 25/400um NA=0.09(R4), or specified by customer
Output Fiber	-	25/250um NA=0.11(BQ2), 50/360um NA=0.22(BH3), 100/360um NA=0.22(B13), 200/360um,NA=0.22(B23), 400/660um NA=0.22(B46), 600/720um NA=0.22(B67), or specified by customer
Configuration	-	2x1, 3x1, 4x1, 7x1, 19x1
Max. Input Laser Power Per Port	kW	0.1, 0.3, 0.5, 1, 2
Coupling Efficiency	%	≥95%
Operating Temperature	°C	0~50
Storage Temperature	°C	-10~65

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

ORDERING INFORMATION (PN)

FMLC-NNNN	-	N	-	C	-	NN	-	C	NN	-	C
Signal Wavelength		Configuration		Input Fiber Type		Laser Power		Fiber Sleeve	Fiber Length		Connector Type
1030-1030nm		3-3x1		O=10/125 DC Fiber		01=100W		B= Bare Fiber	05=0.5m		N=Without Connector
1080-1080nm		4-4x1		Q=20/130 DC Fiber		05=500W			10=1.0m		
1550-1550nm		7-7x1		R1=25/400 DC Fiber		1=1kW			15=1.5m		
1950-1950nm		19-19x1		R3=30/400 DC Fiber		2=2kW			20=2.0m		