

BUY NOW 

(N+1) or (N+1)x1 Fiber Pump Combiner (N<7)

(Patent pending)

Product Description

The LLCB series of (N+1)x1 fiber combiner is designed for high power fiber laser application. They combine N pump lasers and one signal channel into a laser fiber. The LLCB cover a wide range of fiber types.



Performance Specifications

LLCB	Min	Typical	Max	Unit
Signal Central Wavelength	1064		2000	nm
Pump Central Wavelength	800		1000	nm
Pump Port Number (N)	2		7	number
Pump Coupling Efficiency	DCF	90	97	%
	105/125	90		
	Large Core Fiber	90	97	
Signal Insertion Loss	0.7	0.5	0.3	dB
Maximum Power/Port		25	50	W
Optical Isolation	15	25	30	dB
Operating Temperature	-5		70	°C
Storage Temperature	-40		85	°C

[1] Operation bandwidth is +/- 25nm approximately at 1550nm.
 [2] Measured without connectors. For other wavelength, please contact us.
 [3] Defined at 1310nm/1550nm. For the shorter wavelength, the handling power may be reduced, contact us for more information.

Features

- High Pump Efficiency
- High Signal Transfer
- Wavelength Insensitivity
- Custom Configurations
- Low insertion loss

Applications

- Fiber Lasers
- Fiber Amplifiers
- Instrumentation

(N+1)x1 Fiber Pump Combiner (N<7)

Mechanical Dimensions (mm)

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

LLCB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
N	Wavelength	Package	Input Fiber			Pump Fiber		Output Fiber		
			Core	Cladding	Type	NA	Core/Cladding	Core	Cladding	Type
2 = 2 3 = 3 4 = 4 5 = 5 6 = 6 7 = 7	1060 = 1 1550 = 5 2000 = 2 Special=0	Standard=1 Special=0	None = 00 0 Hi1060=05 1 6/125= 06 1 10/125=10 1 12/125=12 1 15/125=15 1 20/125=20 1 25/250=25 2 30/250=30 2 30/350=30 3 20/400=20 4 25/400=25 4 30/400=30 4		Regular=1 DCF =2 TCF =3	0.15=15 0.22=22	105/125=1 200/220=2 220/242=3	6/125= 06 1 10/125= 10 1 12/125= 12 1 15/125= 15 1 20/125= 20 1 25/250= 25 2 30/250= 30 2 30/350= 30 3 20/400= 20 4 25/400= 25 4 30/400= 30 4 400/440=40 5		Regular=1 DCF =2 TCF = 3

- [1]. Standard Fiber Length = 0.7
- [2]. Special package required for high humidity operation
- [3]. Detailed fiber information must be written on PO