(2+1)×1 Multimode Pump & Signal Combiner (MMPC Series)

Rev 11H

Description

The (2+1)×1 Multimode Pump & Signal Combiner enables highly efficient combining of the powers from 2 multimode pump diodes and a signal beam from the signal fiber into a double clad output fiber. The Pump & Signal Combiner is also available for different fiber types.

Key Features

- High Coupling Efficiency
- Low Insertion Loss

Applications

- Fiber Laser
- EDFA

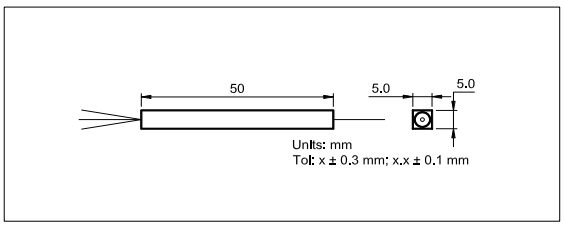
Specifications

Parameter	Unit	Value	
Product Type	-	(2+1)×1	
Pump Wavelength Range	nm	900 - 1000	
Signal Wavelength Range	nm	1060	
Fiber Type for Input (Pump Channel)	-	105/125, 0.15 NA or 0.22 NA	
Fiber Type for Input (Signal Channel)	-	10/125 DCF, 20/130 DCF	
Fiber Type for Output	-	10/125 DCF, 20/130 DCF	
Signal Channel Insertion Loss	dB	< 0.50	
Typ. Pump Efficiency	%	94	
Min. Pump Efficiency	%	92	
Max. Input Pump Power	W	2 × 5	2 × 30
Package Dimensions	mm	P1: 50 (L) × 5 (W) × 5 (H)	P2: 70 (L) × 12 (W) × 8 (H)
Operating Temperature	℃	0 to + 65	
Storage Temperature	℃	- 40 to + 85	

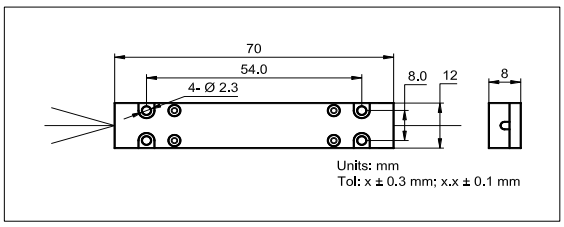
[1]Mode number summation of all input fibers should be less than that of output fiber.

Package Dimensions

P1



P2



Ordering Information

MMPC-(2+1)×1-①①-②②②-③③-④④-⑤⑤-⑥-⑦

①①: Signal Wavelength
06 - 1060 nm
SS - Specify

②②②: Pump Wavelength
915 - 915 nm
975 - 975 nm
SSS - Specify

③③: Fiber Type for Pump Input
15 - 105/125, 0.15 NA
22 - 105/125, 0.22 NA

④④: Fiber Type for Signal Input
10 - 10/125 DCF, 0.08/0.46 NA
20 - 20/130 DCF, 0.08/0.46 NA
SS - Specify

⑤⑤: Fiber Type for Output
10 - 10/125 DCF, 0.08/0.46 NA
20 - 20/130 DCF, 0.08/0.46 NA
SS - Specify

⑥: Fiber Length
Q - 0.75 m
1 - 1.0 m
S - Specify

⑦: Package Type
1 - P1
2 - P2