Advanced Fiber Resources (HK), Ltd.

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

Rev 11G

Features

- High Power Transfer Efficiency
- Wide Wavelength Range
- Proprietary Tapering and Package Technique
- Custom Configurations Available

Applications

- Fiber Lasers and Amplifiers
- High Power EDFA
- CATV Amplifiers

Description

- Pump Combiner with Signal Feedthrough

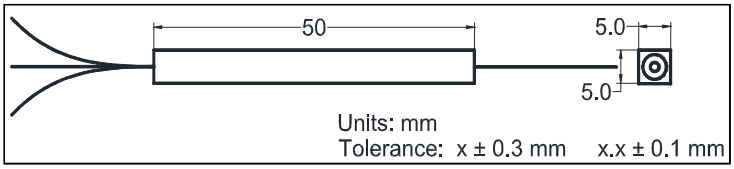
Specifications

Parameter	Unit	Value	
Product Type		(2+1)×1	
Pump Wavelength Range	nm	900 - 1000	
Signal Wavelength Range	nm	1060 or 1550	
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	

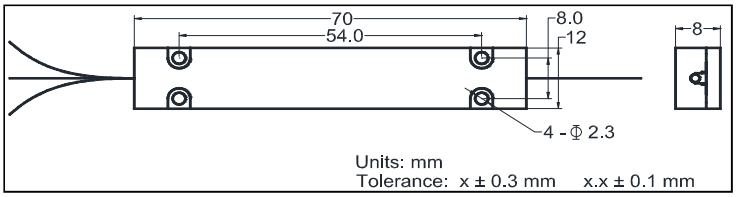
*Mode number summation of all input fibers should be less than that of output fiber.

Package Dimensions

P1



P2



Ordering Information

MMPC-(2 + 1) × 1-①①-②②②-③③-④④-⑤⑤-⑥-⑦

①①: Signal Wavelength	②②②: Pump Wavelength	③③: Fiber Type for Pump Input
06 - 1060 nm	915 - 915 nm	15 - 105/125 (0.15 NA)
55 - 1550 nm	975 - 975 nm	22 - 105/125 (0.22 NA)
SS - Specify	SSS - Specify	

④④: Fiber Type for Signal Input	⑤⑤: Fiber Type for Output	⑥: Fiber Length	⑦: Package Type
10 - 10/125 DCF, NA = 0.08/0.46	10 - 10/125 DCF, NA = 0.08/0.46	Q - 0.75 m	1 - P1
20 - 20/130 DCF, NA = 0.08/0.46	20 - 20/130 DCF, NA = 0.08/0.46	1 - 1.0 m	2 - P2
SS - Specify	SS - Specify	S - Specify	