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

Rev 11H

Features

- High power transfer efficiency
- Wavelength insensitive
- Particular pulling and package technique
- Custom configurations available

Applications

- High power fiber laser
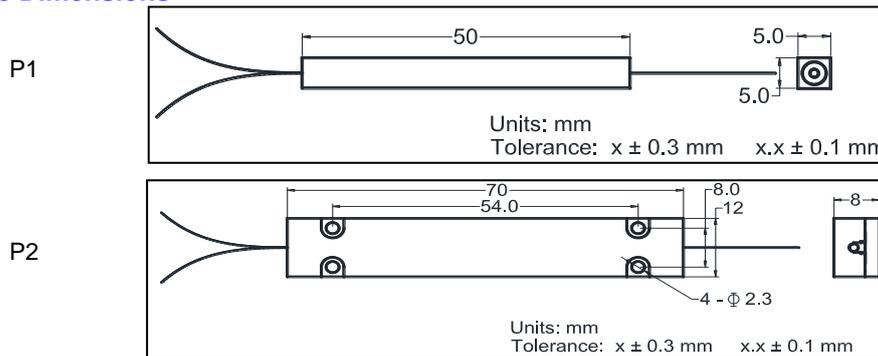- High power EDFA
- CATV amplifier

Description

- Pump combiner + signal transfers

Specifications

Parameter	Unit	Value	
Product Type		(1+1)×1	
Pump Wavelength Range	nm	900 - 1000	
Signal Wavelength Range	nm	1550	
Fiber Type for Input (Pump Channel)	μm	105/125 (0.15 NA or 0.22 NA)	
Fiber Type for Input (Signal Channel)	μm	6/125 DCF, 10/125 DCF	
Fiber Type for Output	μm	6/125 DCF, 10/125 DCF	
Signal Channel Insertion Loss	dB	< 0.50	
Typ. Pump Efficiency	%	94	
Min. Pump Efficiency	%	92	
Max. Input Pump Power	W	1 × 10	1 × 30
Package Dimensions	mm	P1: 50 (L) × 5 (W) × 5 (H)	P2: 70 (L) × 12 (W) × 8 (H)
Operating Temperature	℃	-40 to +108	
Storage Temperature	℃	-40 to +85	

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

Package Dimensions

P1

50   5.0   5.0

Units: mm
Tolerance: x ± 0.3 mm   x.x ± 0.1 mm

P2

70   54.0   8.0   12   8   4 - Φ 2.3

Units: mm
Tolerance: x ± 0.3 mm   x.x ± 0.1 mm

Ordering Information

MMPC-(1+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)
SS - Specify	975 - 975 nm	22 - 105/125 (0.22 NA)
	SSS - Specify	

④④: Fiber Type for Signal Input	⑤⑤: Fiber Type for Output	⑥: Fiber Length	⑦: Package Type
06 - 6/125 DCF, NA = 0.14/0.46	06 - 6/125 DCF, NA = 0.14/0.46	Q - 0.75m	1 - P1
10 - 10/125 DCF, NA = 0.08/0.46	10 - 10/125 DCF, NA = 0.08/0.46	1 - 1.0 m	2 - P2
SS - Specify	SS - Specify	S - Specify	