(18+1)×1 Multimode Pump & Signal Combiner (MMPC Series)

Rev 11

Features

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

Applications

- Fiber Lasers
- Fiber Amplifiers

Description

- Pump Combiner with Signal Feedthrough

Specifications

Parameter	Unit	Value
Product Type	-	(18+1)×1
Pump Wavelength Range	nm	900 - 1000
Signal Wavelength Range	nm	1064
Fiber Type for Input (Pump Channel)	-	Nufern 105/125 (0.15 NA or 0.22 NA)
Fiber Type for Input (Signal Channel)	-	10/125 DC, NA = 0.08/0.46
Fiber Type for Output	-	30/250 DC, NA = 0.06/0.46
Max. Input Pump Power	W	18 × 10W
Signal Channel Insertion Loss	dB	< 0.70
Typ. Signal Channel Insertion Loss	dB	0.5
Min. Pump Efficiency	%	95
Typ. Pump Efficiency	%	97
Package Dimensions	mm	100 (L) × 15 (W) × 10 (H)
Operating Temperature	℃	- 5 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

100
40.0
11.0
15
10
4 - Φ 2.3
Units: mm
Tolerance: x ± 0.3 mm   x.x ± 0.1 mm
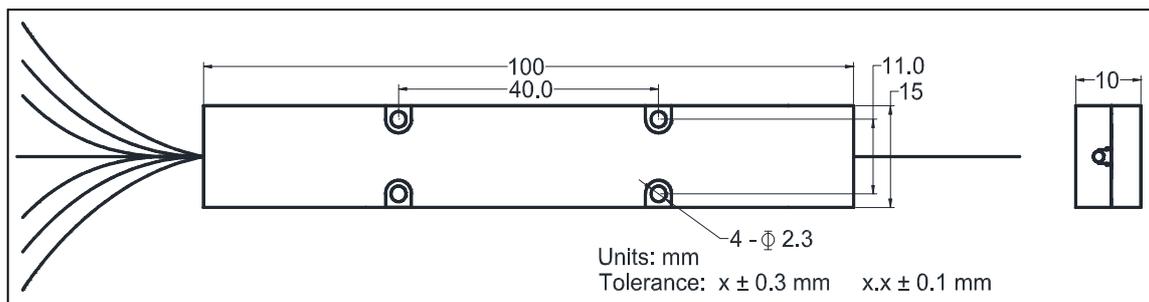
Ordering Information

MMPC-(18+1)×1-①①-②②②-③③-④④-⑤⑤-⑥

①①: Signal Wavelength	②②②: Pump Wavelength	③③: Fiber Type for Pump Input
06 - 1064 nm	915 - 915 nm	15 - 105/125 (0.15 NA)
SS - Specify	976 - 976 nm	22 - 105/125 (0.22 NA)
	SSS - Specify	SS - Specify

④④: Fiber Type for Signal Input	⑤⑤: Fiber Type for Output	⑥: Fiber Length
	30 - 30/250 DC, NA = 0.06/0.46	Q - 0.75 m
10 - 10/125 DC, NA = 0.08/0.46	SS - Specify	S - Specify
SS - Specify		