

(6 + 1) × 1 Multimode Pump & Signal Combiner (MMPC Series)

Rev 11E

Features

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

Applications

- Fiber Lasers
- Fiber Amplifiers

Description

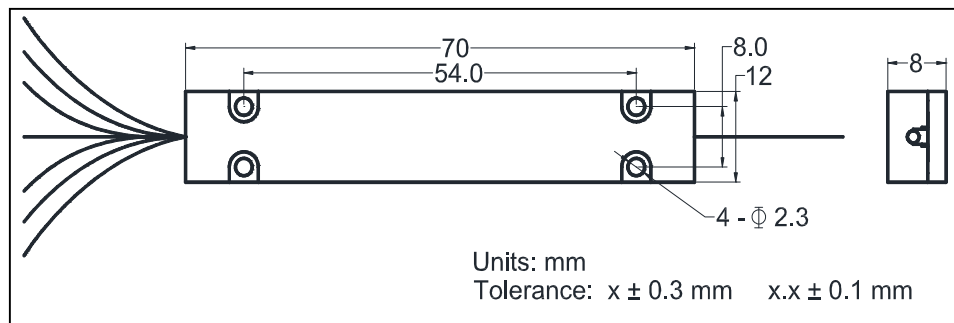
- Pump Combiner with Signal Feedthrough

Specifications

Parameter	Unit	Value
Product Type		(6 + 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)		HI 1060 or 20/130 DC, NA = 0.08/0.46
Fiber Type for Output		20/130 DC, NA = 0.08/0.46
Max. Input Pump Power	W	6 × 50
Signal Channel Insertion Loss	dB	< 0.70
Typ. Signal Channel Insertion Loss	dB	0.5
Min. Pump Efficiency	%	93
Typ. Pump Efficiency	%	95
Package Dimensions	mm	70 (L) × 12 (W) × 8 (H)
Operating Temperature	°C	- 5 to + 65
Storage Temperature	°C	- 40 to + 85

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

Package Dimensions



Ordering Information

MMPC-(6+1)×1-①①-②②②-③③-④④-⑤⑤-⑥

①①: Signal Wavelength
06 - 1064 nm
SS - Specify

②②②: Pump Wavelength
915 - 915 nm
976 - 976 nm
SSS - Specify

③③: Fiber Type for Pump Input
15 - 105/125 (0.15 NA)
22 - 105/125 (0.22 NA)
SS - Specify

④④: Fiber Type for Signal Input
06 - HI 1060
20 - 20/130 DC, NA = 0.08/0.46
SS - Specify

⑤⑤: Fiber Type for Output
20 - 20/130 DC, NA = 0.08/0.46
SS - Specify

⑥: Fiber Length
Q - 0.75 m
S - Specify