

# (18+1)x1 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

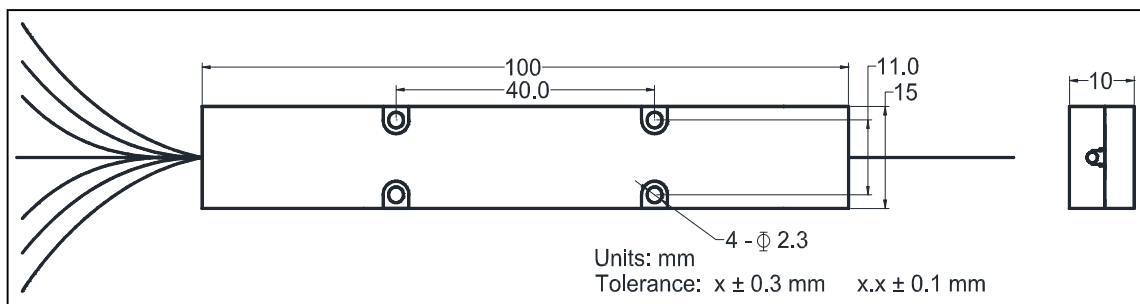
- Pump Combiner with Signal Feedthrough

### Specifications

Parameter	Unit	Value
Product Type	-	(18+1)x1
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 x 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) x 15 (W) x 10 (H)
Operating Temperature	°C	- 5 to + 65
Storage Temperature	°C	- 40 to + 85

<sup>1</sup>Mode number summation of all input fibers should be less than that of output fiber.

### Package Dimensions



### Ordering Information

**MMPC-(18+1)x1-①①-②②②-③③-④④-⑤⑤-⑥**

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

10 - 10/125 DC, NA = 0.08/0.46

SS - Specify

⑤⑤: Fiber Type for Output

30 - 30/250 DC, NA = 0.06/0.46

SS - Specify

⑥: Fiber Length

Q - 0.75 m

S - Specify