Advanced Fiber Resources (Hong Kong), Ltd.

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

Rev 11

Description

The Multimode (18+1)×1 Pump & Signal Combiner enables highly efficient combining of the powers from up to 18 multimode pump diodes and a signal laser into a double cladding output fiber. Available for different fiber types.

Key Features

- High Power Transfer Efficiency
- Wide Wavelength Range

Applications

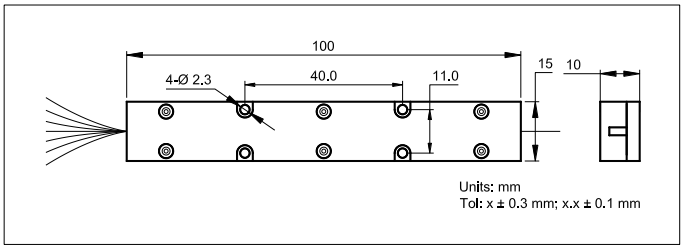
- Fiber Lasers
- Fiber Amplifiers

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, 0.08/0.46 NA
Fiber Type for Output	-	30/250 DC, 0.06/0.46 NA
Max. Input Pump Power	W	18 × 10 W
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



Ordering Information

MMPC-(18+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
10 - 10/125 DC, 0.08/0.46 NA
SS - Specify

⑤⑤: Fiber Type for Output
30 - 30/250 DC, 0.06/0.46 NA
SS - Specify

⑥: Fiber Length
Q - 0.75 m
S - Specify