Multimode Pump & Signal Combiner

MMPC Series：(2+1)×1 Multimode Pump & Signal Combiner.

Features:

- High Power Coupling Efficiency
- Preservation of Mode Content
- Wavelength Insensitive
- Custom Configurations Available

Applications:

- Fiber Laser
- Fiber Laser Seed Amplifiers
- Fiber Laser Power Amplifiers
- Industrial, Telecom & Research

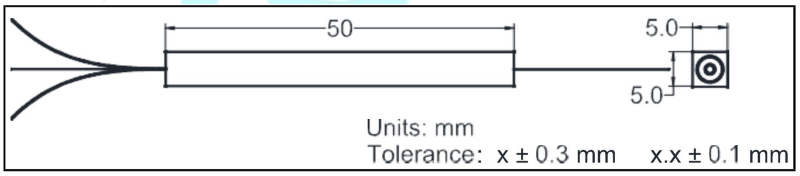
Performance Specifications

Parameter	Unit	Value	
Product Type		(2+1)x1	
Pump Wavelength Range	nm	940	
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	10/125 DC or 20/130 DC	
Fiber Type for Output	μm	10/125 DC or 20/130 DC	
Signal Channel Insertion Loss	dB	<0.50	
Typ. Pump Efficiency	%	94	
Min. Pump Efficiency	%	92	
Max. Input Pump Power	W	2 x 5	2 x 30
Package Dimensions	mm	L50: 50(L) x 5(W) x 5(H)	L70: 70(L) x 12(W) x 8(H)
Operating Temperature	℃	-5 to +65	
Storage Temperature	℃	-40 to +85	

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

Outline Diagram

L50



L70

Ordering Information

Hirundo Optics Inc
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Multimode Pump & Signal Combiner

MMPC-(2+1)x1-①①-②②②-③③-④④-⑤⑤-⑥-⑦⑦⑦

①: Signal Wavelengh
06 - 1064 nm
55 - 1550 nm
S - Specify

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

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

④: Fiber Type for Signal Input
10 - 10/125 DC, NA=0.08/0.46
20 - 20/130 DC, NA=0.08/0.46
S - Specify

⑤: Fiber Type for Output
10 - 10/125 DC, NA=0.08/0.46
20 - 20/130 DC, NA=0.08/0.46
S - Specify

⑥: Fiber Length
Q - 0.75 m
1 - 1.0 m
S - Specify

⑦: Package Type
L50 - 50(L) x 5(W) x 5(H)
L70 - 70(L) x 12(W) x 8(H)

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