

2+1x1 Multi-Mode Pump Combiners (PM or Non-PM)

Features

High Transfer Efficiency
Air-Clad Technology for Robust Power Delivery
Stable and Reliable
Custom Configurations Available

Applications

High Power Fiber Laser
Fiber Amplifier

Specifications

Parameters	Value		
Port Configuration	(2+1)x1		
Pump Wavelength	800~1000nm		
Signal Wavelength	1030~1080nm or 1450~1600nm		
Signal Input Fiber	X/125	X/250	20/400
Pump Fiber	105/125 0.22NA	105/125 0.22NA or 200/220 0.22NA	
Signal Output Fiber	Y/125 or Y/250	Y/250	20/400
Pump Efficiency	>90%	>93%	>95%
Signal Insertion Loss	<0.5dB	<0.45dB	<0.4dB
Total Handling Power	50W	100W	200W
Polarization Extinction Ratio	≥18dB(PM Fiber Type)		
Return Loss	>45dB		
Package Dimension	D1, D2, D3, D4		D5, D6
Operating Temperature	-5~+70		
Storage Temperature	-40~+85		

Ordering Information

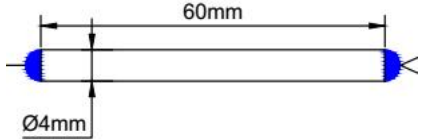
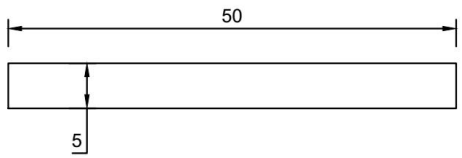
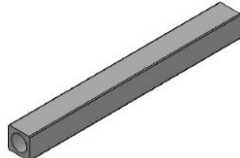
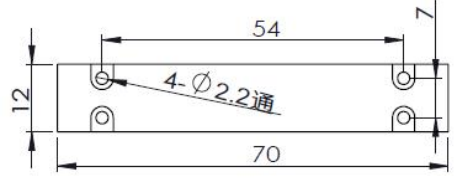
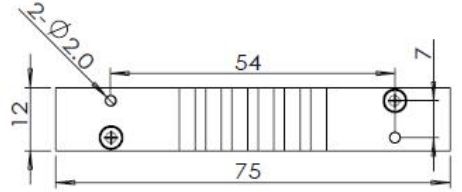
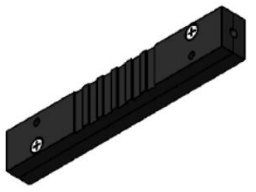
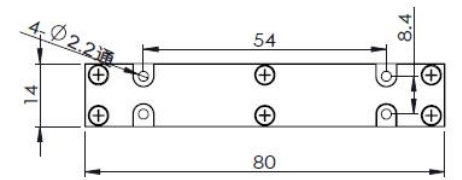
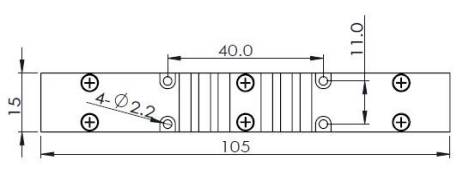
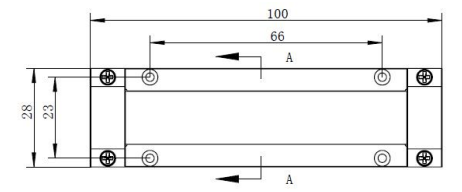
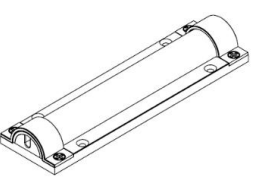
MPC-111-222-3-444-55-6-7-888

111 - Port Configuration:	02N=1X1, 021=(2+1)X1
222 -Fiber Type for Input:	019=Nufern LMA-GDF-10/125-M, 021=Nufern LMA-GDF-20/130-M 031=Nufern LMA-GDF-30/250-M, 044=Nufern LMA-GDF-20/400-M 015=Nufern PM1060L-FA, 020=Nufern PLMA-GDF-20/130 030=Nufern PLMA-GDF-30/250-M, 035=Nufern PLMA-GDF-20/400-M
3 -Fiber Type for Pump:	1=MM-S105/125-22A, 2=MM-S200/220-22A, S=Specified
444 - Fiber Type for Output:	019=Nufern LMA-GDF-10/125-M, 021=Nufern LMA-GDF-20/130-M 031=Nufern LMA-GDF-30/250-M, 044=Nufern LMA-GDF-20/400-M 015=Nufern PM1060L-FA, 020=Nufern PLMA-GDF-20/130 030=Nufern PLMA-GDF-30/250-M, 035=Nufern PLMA-GDF-20/400-M
55 - Package Dimension:	D1,D2,D3,D4,D5,D6,D7, S= Specified
6 -Pigtail Type:	0=250um bare fiber, 1=900um loose tube
7 -Fiber Length:	0=0.8m, 1=1.0m
888 -Handling Power/Per Pump:	005=5W, 010=10W, 100=100W, 200=200W

Note:1.Other package dimension and optical performance can meet customer design;

2.Pleased to contact us if you need more fiber selection

Package Dimensions:

Type	Dimension (Mounting)	Schematic	Schematic	Note
D1	Φ4x60mm			Low power with glass tube Dissipated power<5W
D2	50x5x5mm			Low power with glass tube Dissipated power<5W
D3	70x12x8mm (54x7.0mm)			Low power with glass tube Dissipated power<10W
D4	75x12x8mm (54x7.0mm)			Mid power package, up to 1200W Dissipated power<50W
D5	80x14x10mm (54x8.4mm)			Mid power package up to 2500W Dissipated power<70W
D6	105x15x8mm (40x11mm)			Mid power package up to 1500W Dissipated power<60W
D7	100x28x12.6mm (66x23mm)			High power package up to 5000W Dissipated power<200W