

(6+1)x1 Pump & Signal Combiner (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

◆ 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

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◆ Specifications

Parameter	Value			
Port Configuration	(6+1)x1			
Pump Wavelength	800~1000nm			
Signal Wavelength	1030~1080nm or 1450~1600nm			
Signal Input Fiber	X/125	X/125 or X/250 or 20/400		
Pump Fiber	105/125 0.22NA	105/125 0.22NA or 200/220 0.22NA		
Signal Output Fiber	Y/125	Y/250	Y/250	20/400
Pump Efficiency	>90%	>93%	>95%	
Signal Insertion Loss	<0.7dB			
Total Handling Power	300W	600W	900W	
Polarization Extinction Ratio	≥18dB(PM Fiber Type)			
Return Loss	>45dB			
Package Dimension	D1, D2, D3, D4, D5, D6, D7			
Operating Temperature	-5~+70			
Storage Temperature	-40~+85			

◆ Ordering Information

BPC-111-222-333-444-55-6-7-888-999

111	- Port Configuration:	611=(6+1)X1
222	-Fiber Type for Input:	SSS=Specified
333	-Fiber Type for Pump:	009=MM-S105/125-22A, 013=MM-S200/220-22A, S=Specified
444	- Fiber Type for Output:	SSS=Specified
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:	1=1.0m, 2=1.2m,3=1.5m, S=specified
888	-Handling Power/Signal	005=5W, 010=10W, 100=100W, 200=200W
999	-Handling Power/Per Pump:	005=5W, 010=10W, 100=100W, 200=200W

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