Multimode Pump and Signal Combiners

Product Features

- High Power Transfer Efficiency
- All Fiber Construction
- Wavelength Insensitive
- Custom Configurations Available

Product Applications

- High Power All-fiber Lasers
- High Power fiber Amplifiers
- Medical
- Defense

Specifications

Parameter			Unit		
Port Configuration				(2+1)x1	(4+1)x1
Pump Wavelength range				800~1000	
Signal Wavelength range			nm	1530 to 1580 or 1030 to 1080	
Pump Input Fiber Type	Core / Cladding Diameter		um	105 / 125	
	Numerical Aperture			0.22	
Signal Input Fiber Type 1	Core / Cladding Diameter		um	8 / 125	
	Numerical Aperture			0.14/0.46	
Signal Input Fiber Type 2	Core / Cladding Diameter		um	10 / 125	
	Numerical Aperture			0.08/0.46	
Output Fiber Type 1	Core / Cladding Diameter		um	8 / 125	
	Numerical Aperture			0.14/0.46	
Output Fiber Type 2	Core / Cladding Diameter		um	10 / 125	
	Numerical Aperture			0.08/0.46	
Signal Insertion loss		Max	dB	0.35	
Pump Insertion loss		Max	dB	0.5	
Pump Transfer efficiency		Min	%	93	
Return loss		Min	dB	40	
Operating power handling		Max	W	7W/Port	
Operating Temperature			°C	0 to +85	
Storage Temperature			°C	-50 to +85	
Package Type			mm	S6: ø3x54 For bare fiber	S11: ø4x60 For bare fiber

Ordering Information

M	M	P		S	C	C									
							Signal Wavelength 4=1550nm 8=1064nm	Port Configuration 21=(2+1)x1 41= (4+1) x1		Input Signal Fiber Type 1 2	Output Fiber Type 1 2	Fiber Length 0=0.5m 1=0.75m 2=1.0m	Connector 0=None

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are subject to change without notice.

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