

# (2+1)×1 Optical Fiber Combiner

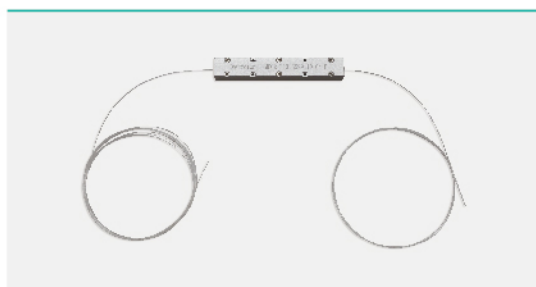
The product is designed for high power fiber laser. Unique tapering process is adopted to acquire good optical properties. The input port includes two pump channels and one signal channel, and the output port is double cladding fiber. The fiber type can be customized.

## Characteristics

- High transmission efficiency
- High pump efficiency
- Small mode distortion
- Can be customized

## Applications

- Optical fiber amplifier power coupling



## Specifications

Product Type	MPC2-P12-S322-10-C3	MPC2-P12-S33-10-C3	MPC2-P12-S344-10-C4	MPC2-P12-S355-10-C4
Signal Operating Wavelength (nm)	1000 - 1100, Typical 1064			
Pump Operating Wavelength (nm)	800 - 1000			
<b>Input Pump Port</b>				
Core/Cladding Diameter (μm)	105/125		200/220	
Numerical Aperture	0.22		0.22	
<b>Input Signal Port</b>				
Fiber Type	DCF			
Core/Cladding Diameter (μm)	10/130	20/130	20/400	30/250
<b>Output Port</b>				
Fiber Type	DCF			
Core/Cladding Diameter (μm)	10/130	20/130	20/400	30/250
<b>Optical Properties</b>				
Pump Efficiency (%)	> 90 (Typical93)			
Insertion Loss (dB)	< 0.5 (Typical0.3)			
Optical Isolation (dB)	≥ 25(Typical30)			
Max Pump Power (W)	> 30			
<b>Environmental Properties</b>				
Operating Temperature (°C)	-5 to +70			
Operating Relative Humidity (%)	5 - 95			
Storage Temperature (°C)	-40 to +85			
<b>Appearance</b>				
Dimensions (mm)	5×5×50, Φ3.5×54, 8×12×75			
Active Fiber Length (m)	1.0			