

## 1550nm (18+1)x1 Multimode Pump and Signal Combiner

1550nm (18+1)x1 Multimode Pump and Signal Combiner is a fiber passive component which can be used in coupling input pump laser and signal seed laser with high coupling efficiency, it's widely used in fiber laser system and Fiber Amplifier System, the fiber can be customized upon request.

### Application

Fiber Laser  
Fiber Amplifier  
Quantum Optics  
Lab And Research

### Features:

High Coupling Efficiency  
High Power  
RoHs Compliant  
High Reliability



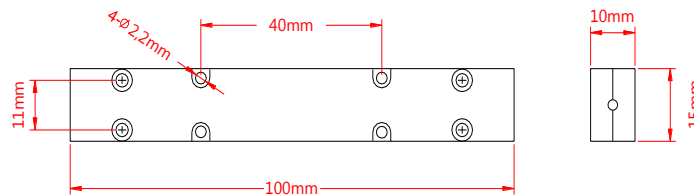
### Specification:

Parameter	Symbol	Value	Unit
Signal Operating Wavelength	$\lambda$	1530-1575	nm
Pump Operating Wavelength	$\lambda$	800-1000	nm
Pump Input Fiber		105/125 0.15NA or 0.22NA, 200/220 0.22NA	-
Signal Input Fiber		SMF-28e, 5/130, 6/125, 9/125, 10/125, 20/125, 25/250, 30/250, 20/400, 25/400 SCF or DCF	-
Output Fiber		5/130, 6/125, 9/125, 10/125, 20/125, 25/250, 30/250, 20/400, 25/400 DCF	-
Max. Signal Insertion Loss		0.5	dB
Min. Pump Efficiency		90	%
Max. Optical Power Per Pump Input (CW)	P	25, 50, 100, 200 or specify	W
Min. Return Loss	RL	35	dB
Operating Humidity		5-95	%RH
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		100x15x10	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

Pump and signal combiners are default without connector, bare fiber, if special request please contact us to confirm.

### Drawing:



### Ordering Information (Part Number):

MPSC-**WWW**-**CCCC**-**T**-**HHH**-**FFF**/**FFF**-**FFF**/**FFF**-**FFF**/**FFF**-**LL**

<b>WWW</b>	<b>CCCC</b>	<b>T</b>	<b>HHH</b>	<b>FFF/FFF</b>	<b>FFF/FFF</b>	<b>FFF/FFF</b>	<b>LL</b>
Signal Wavelength	Configuration	Pump Type	Handling Power (Per Pump Input)	Input Pump Fiber Type	Input Signal Fiber Type	Output DC Fiber Type	Fiber Length
1550 - 1550nm	1811 - (18+1)x1	F - Forward B - Backward	05 - 5W 10 - 10W 25 - 25W 50 - 50W 100 - 100W 200 - 200W SS - Specify	105/125 - 105/125um 200/220 - 200/220um	S2 - SMF-28e 5/130 - 5/130um 6/125 - 6/125um 9/125 - 9/125um 10/125 - 10/125um 20/125 - 20/125um 30/250 - 30/250um 20/400 - 20/400um 25/400 - 25/400um SS/SSS - Specify	5/130 - 5/130um 6/125 - 6/125um 9/125 - 9/125um 10/125 - 10/125um 20/125 - 20/125um 30/250 - 30/250um 20/400 - 20/400um 25/400 - 25/400um SS/SSS - Specify	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify