

## 1064nm (1+1)x1 Multimode Pump and PM Signal Combiner

1064nm (1+1)x1 Multimode Pump and PM Signal Combiner is a fiber passive component which can be used in coupling input pump laser and polarized 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



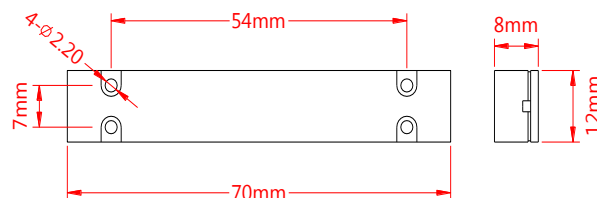
### Specification:

Parameter	Symbol	Value	Unit
Signal Operating Wavelength	$\lambda$	1000-1100	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		PM 980, 6/125, 10/125, 12/125, 15/125, 20/125, 25/250 PM SCF or DCF	-
Output Fiber		6/125, 10/125, 12/125, 15/125, 20/125, 20/200, 25/250, 30/250, 20/400 PM DCF	-
Max. Signal Insertion Loss		0.5	dB
Min. Extinction Ratio	ER	18	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		70x12x8	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):

PMPSC- <b>WWW</b> - <b>CCC</b> - <b>T</b> - <b>HHH</b> - <b>FFF/FFF</b> - <b>FFF/FFF</b> - <b>FFF/FFF</b> - <b>LL</b>							
<b>WWW</b>	<b>CCC</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 (PM)	Output DC Fiber Type (PM)	Fiber Length
1030 - 1030nm	111 - (1+1)x1	F - Forward	05 - 5W	105/125 -	PM98 - PM 980	6/125 - 6/125um	05 - 0.5m
1040 - 1040nm		B - Backward	10 - 10W	105/125um	6/125 - 6/125um	10/125 - 10/125um	08 - 0.8m
1050 - 1050nm		25 - 25W	200/220 -	10/125 - 10/125um	12/125 - 12/125um	12/125 - 12/125um	10 - 1.0m
1053 - 1053nm		50 - 50W	200/220um	12/125 - 12/125um	15/125 - 15/125um	15/125 - 15/125um	15 - 1.5m
1060 - 1060nm		100 - 100W	20/125 - 20/125um	15/125 - 15/125um	20/125 - 20/125um	20/125 - 20/125um	20 - 2.0m
1064 - 1064nm		200 - 200W	20/200 - 20/200um	20/125 - 20/125um	20/200 - 20/200um	20/200 - 20/200um	SS - Specify
		25/250 - 30/250um	25/250 - 25/250	25/250 - 30/250um	25/250 - 25/250	30/250 - 30/250um	
		SS/SSS - Specify	30/250 - 30/250um	20/400 - 20/400um	SS/SSS - Specify		