

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

1550nm (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



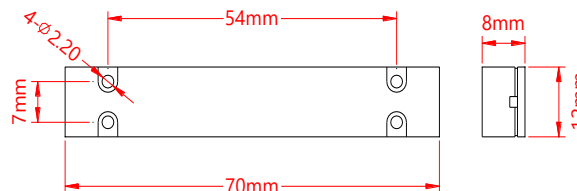
Specification:

Parameter	Symbol	Value	Unit
Signal Operating Wavelength	λ	1530-1575	nm
Pump Operating Wavelength	λ	800-1000	nm
Pump Input Fiber		105/125 0.15NA or 0.22NA, 200/220 0.22NA	-
Signal Input Fiber		PM 1550, 6/125, 10/125, 12/125, 15/125, 20/125, 25/250 PM SCF or DCF	-
Output Fiber		PM-GDF-1550, 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-**WWW**-**CCC**-**T**-**HHH**-**FFF/FFF**-**FFF/FFF**-**FFF/FFF**-**LL**

WWW	CCC	T	HHH	FFF/FFF	FFF/FFF	FFF/FFF	LL
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
1550 - 1550nm	111 - (1+1)x1	F - Forward	05 - 5W	105/125 -	PM15 - PM 1550	6/125 - 6/125um	05 - 0.5m
			10 - 10W	105/125um	6/125 - 6/125um	10/130 - 10/130um	08 - 0.8m
		B - Backward	25 - 25W	200/220 -	10/125 - 10/125um	12/125 - 12/125um	10 - 1.0m
			50 - 50W	200/220um	12/125 - 12/125um	15/125 - 15/125um	15 - 1.5m
		100 - 100W		15/125 - 15/125um	20/125 - 20/125um	20 - 2.0m	
		200 - 200W		20/125 - 20/125um	20/200 - 20/200um	SS - Specify	
		SS - Specify		25/250 - 30/250um	25/250 - 25/250um	30/250 - 30/250um	
				SS/SSS - Specify	30/250 - 30/250um	20/400 - 20/400um	
					SS/SSS - Specify		