

1550nm (2+1)x1 Multimode Pump and Signal Combiner

1550nm (2+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



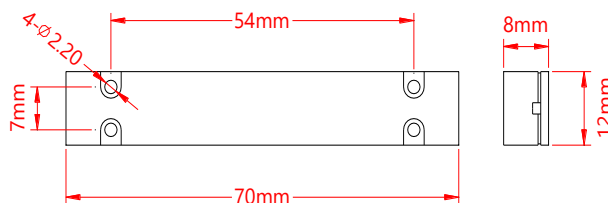
Specification:

Parameter	Symbol	Value	Unit
Signal Operating Wavelength	λ	1510-1590	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		SMF-28e, 14/125SC, SM-GDF-1550, 8/125DC, 10/125DC, 12/130DC	-
Output Fiber		SM-GDF-1550, 8/125DC, 10/125DC, 12/130DC, 25/300DC	-
Max. Signal Insertion Loss	IL	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	0~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension		50x5x5 or 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):

WWWW	C	T	HHH	F	FF/FFF	FF/FFF	LL
Signal Wavelength	Configuration	Pump Type	Handling Power (Per Pump Input)	Input Pump Fiber Type	Input Signal Fiber Type	Output DC Fiber Type	Fiber Length
1530 - 1530nm	2 - (2+1)x1	F - Forward	05 - 5W	1 - 105/125um	S2 - SMF-28e	SG15 - SM-GDF-1550	05 - 0.5m
1550 - 1550nm		B - Backward	10 - 10W	2 - 200/220um	14/125 - 14/125um	8/125 - 8/125um	08 - 0.8m
1560 - 1560nm			25 - 25W		SG15 - SM-GDF-1550	10/125 - 10/125um	10 - 1.0m
1570 - 1570nm			50 - 50W		8/125 - 8/125um	12/130 - 12/130um	15 - 1.5m
1580 - 1580nm			100 - 100W		10/125 - 10/125um	25/300 - 25/300um	20 - 2.0m
			200 - 200W		12/130 - 12/130um	SS/SSS - Specify	SS - Specify
			SS - Specify		SS/SSS - Specify		