

1120nm High Power Polarization Beam Combiner/Splitter

1120nm High Power Polarization Beam Combiner/Splitter is a fiber passive component which can combine the two orthogonal polarization light into one output fiber or split the orthogonal polarization light to two output fiber, it's widely used in Quantum Communication and Fiber Optic Diffraction field, the high power type is available upon request.

Application:

Quantum Communication
Fiber Optic Sensor
Laser System
Fiber Optic Diffraction

Features:

High Extinction Ratio
Low Insertion Loss
Optical Path Reversibility
High Reliability



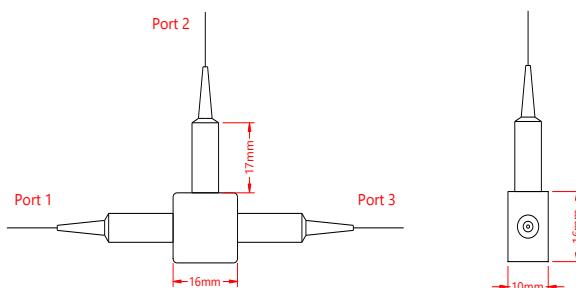
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1120	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss	IL	0.9	dB
Max. Insertion Loss	IL	1.2	dB
Min. Extinction Ratio (For PBS)	ER	22	dB
Min. Directivity		45	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	1, 3, 5, 10, 20 or customized	W
Max. Peak Power	P	5, 10 or customized	KW
Max. Tensile Load		5	N
Fiber Type	For Port 1 and Port 2	PM Panda fiber	-
	For Port 3	PM Panda fiber or HI 1060, SMF-28e fiber	-
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension			mm

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

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

WWW	FF	HH	J	LL	CC
Wavelength	Fiber Type on Port 3	Handling Power	Fiber Jacket	Fiber Length	Connector
1100 - 1100nm	H1 - HI 1060 Fiber	01 - 1W	B - 250um Bare Fiber	05 - 0.5m	NE - None
1120 - 1120nm	S2 - SMF-28e Fiber	03 - 3W	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1150 - 1150nm	PM - PM Panda Fiber,	05 - 5W	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1180 - 1180nm	Slow Axis Aligned to Port 1	10 - 10W	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
1200 - 1200nm	P4 - PM Panda Fiber,	20 - 20W		SS - Specify	SU - SU/APC
1230 - 1230nm	Slow Axis 45° Aligned to Port 1	SS - Specify			LA - LC/APC
1250 - 1250nm					LU - LC/UPC
SSSS - Specify					SS - Specify