

1080nm High Power Polarization Beam Combiner/Splitter

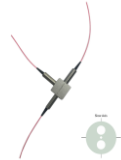
1080nm High Power Polarization Beam Combiner/Splitter is a fiber passive component which can combine the two orthogonal polarization light into one output fiber or split the orthogonal polarization light to two output fiber, it's widely used in Quantum Communication and Fiber Optic Diffraction field, 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



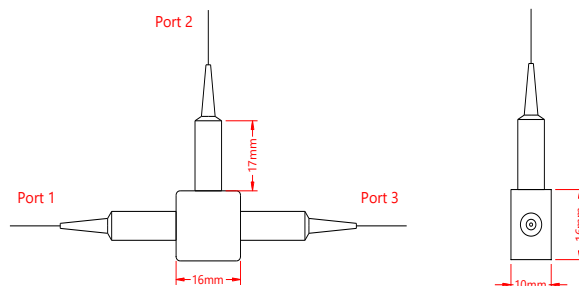
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1080	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss	IL	0.6	dB
Max. Insertion Loss	IL	0.8	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 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
1020 - 1020nm	H1 - HI 1060 Fiber	01 - 1W	B - 250um Bare Fiber	05 - 0.5m	NE - None
1030 - 1030nm	PM - PM Panda Fiber,	03 - 3W	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1040 - 1040nm	Slow Axis Aligned to Port 1	05 - 5W	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1050 - 1050nm	P4 - PM Panda Fiber,	10 - 10W	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
1053 - 1053nm	Slow Axis 45° Aligned to Port 1	20 - 20W		SS - Specify	SU - SU/APC
1060 - 1060nm		SS - Specify			LA - LC/APC
1064 - 1064nm					LU - LC/UPC
1080 - 1080nm					SS - Specify
SSSS - Specify					