1530nm High Power Polarization Beam Combiner/Splitter

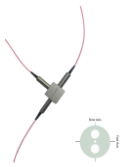
1530nm High Power Polarization Beam Combiner/Splitter is a fiber passive component which can combine the two orthogonal polarization light into one output fiber or split the orthogonal polarization light to two output fiber, it's widely used in Quantum Communication and Fiber Optic Diffraction field, 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



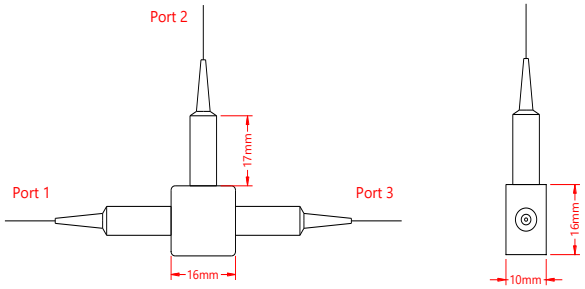
Specification:

Parameter		Symbol	Value	Unit
Center Wavelength		λ	1530	nm
Bandwidth		BW	±20	nm
Typ. Insertion Loss		IL	0.4	dB
Max. Insertion Loss		IL	0.6	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. Tensil Load			5	N
Fiber Type	For Port 1 and Port 2		PM Panda fiber	-
	For Port 3		PM Panda fiber or SMF-28e fiber	-
Operating Temperature		T	-5~70	℃
Storage Temperature		T	-40~85	℃
Package Dimension				mm

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

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):

HPBCS-WWWW-FF-HH-J-LL-CC

WWWW	FF	HH	J	LL	CC
Wavelength	**Fiber Type on Port 3**	**Handling Power**	**Fiber Jacket**	**Fiber Length**	**Connector**
1510 - 1510nm	S2 - SMF-28e Fiber	01 - 1W	B - 250um Bare Fiber	05 - 0.5m	NE - None
1530 - 1530nm	PM - PM Panda Fiber,	03 - 3W	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1550 - 1550nm	Slow Axis Aligned to Port 1	05 - 5W	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1560 - 1560nm	P4 - PM Panda Fiber,	10 - 10W	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
1570 - 1570nm	Slow Axis 45° Aligned to Port 1	20 - 20W		SS - Specify	SU - SU/APC
1580 - 1580nm		SS - Specify			LA - LC/APC
SSSS - Specify					LU - LC/UPC
					SS - Specify