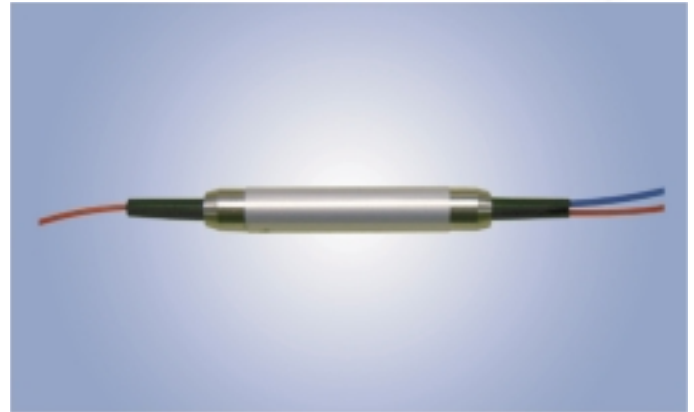




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## Polarization Beam Combiner / Splitter

The polarization beam combiner /splitter is a compact lightwave component that combines two orthogonal polarization signals into the output fiber. This device has typical configuration uses two PM fibers for the input and the SM fiber for the output. It can also be used as a beam splitter.



### Applications

- Test Equipment
- Raman Amplifier
- Erbium-Doped Fiber Amplifier
- Sensor System

### Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- Environmentally Stable



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## SPECIFICATIONS

### Polarization Beam Combiner / Splitter at 1310nm,1480nm or 1550nm

Parameter	Values		Units
Center Wavelength	1310, 1480 or 1550	1310/1550	nm
Operating Wavelength Range	+/-40		nm
Insertion Loss	0.4 (Typ), 0.6 (Max)	0.8 (Typ), 1.0 (Max)	dB
Min. Extinction Ratio (Splitter Only)	22		dB
Min. Return Loss	50		dB
Min. Directivity	50		dB
Max. Optical Power	500		mW
Fiber Type	PM Panda Fiber on Port 1 and 2, SMF-28 or PM Panda Fiber on Port 3		
Max. Tensile Load	5		N
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

\*Above specifications are for device without connectors.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower for each connector added.

### Polarization Beam Combiner / Splitter at 1064nm

Parameter	Values		Units
Center Wavelength	1064		nm
Operating Wavelength Range	+/-20		nm
Insertion Loss	0.6 (Typ), 0.8 (Max)		dB
Min. Extinction Ratio (Splitter Only)	22		dB
Min. Return Loss	50		dB
Min. Directivity	50		dB
Max. Optical Power	500		mW
Fiber Type	PM 980 Panda Fiber on Port 1 and 2, HI 1060 or PM Panda Fiber on Port 3		
Max. Tensile Load	5		N
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

\*Above specifications are for device without connectors.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower. Connector key is aligned to slow axis.

## ORDERING CODES

OLCS -

Port	Code	Wavelength	Code	Fiber Types	Code	Fiber Type on Port 3	Code	Fiber Length	Code	Connector Type	Code
1x2	12	1064 nm	106	250 µm Panda fiber	25	SMF -28	SM28	0.75m	75	No Connector	NC
		1310 nm	131	400 µm Panda fiber	40	HI 1060	HI1060	Others	XX	FC/PC	FP
		1550 nm	155	900 µm loose tube	90	Slow axis align 45degree to port 1	S145			SC/PC	SP
		1310 & 1550nm	135	Others	XX	Slow axis align to port 1	S1			FC/APC	FA
		Others	XX			Others	XX			SC/APC	SA
										LC/PC	LP
										MU/PC	MP
										Others	XX

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