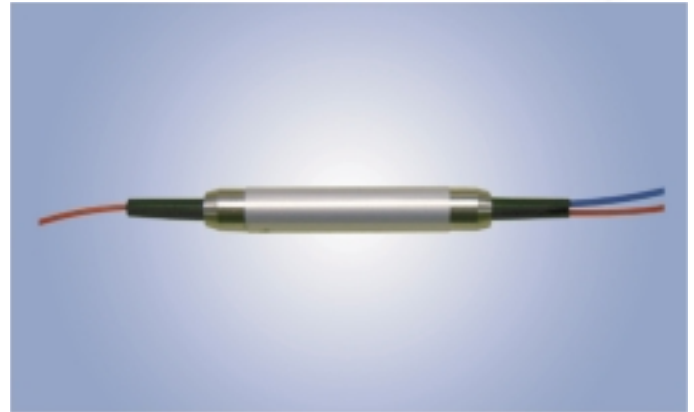




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## Polarization Beam Combiner / Splitter

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

Parameter	Values	Units
Center Wavelength	1310	nm
Operating Wavelength Range	+/- 70	nm
Insertion Loss	0.6 (Typ), 0.9 (Max)	dB
Min. Extinction Ratio (Splitter Only)	20	dB
Min. Return Loss	50	dB
Directivity	50	dB
Max. Optical Power (Continuous Wave)	500	mW
Fiber Type	PM Panda Fiber for Port 1 and 2, SMF-28 or PM Panda Fiber for Port 3	--
Max. Tensile Load	5	N
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

\*IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower for each connector added.

\*Connector key is aligned to slow axis.

\*For SMF-28 fiber, multimode may be caused if wavelength less than 1260nm.

## ORDERING CODES

OLCS - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Port	Code	Wavelength	Code	Fiber Types	Code	Fiber Type on Port 3	Code	Fiber Length	Code
1x2	12	1310 nm	131	250 μm bare fiber	25	HI 1060	HI1060	0.75m	75
				900 μm loose tube	90	Slow axis align 45degree to port 1	S145	Others	XX
				Others	XX	Slow axis align to port 1	S1		
						Others	XX		

Connector Type	Code
No Connector	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
LC/PC	LP
MU/PC	MP
Others	XX

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Tel: +852 2480-6106 Fax: +852 2480-1621 Email: [contact@optolinkcorp.com](mailto:contact@optolinkcorp.com) Website: [www.optolinkcorp.com](http://www.optolinkcorp.com)