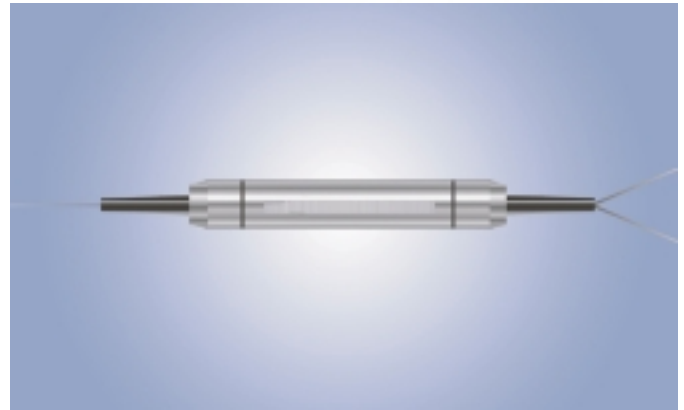




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Polarization Beam Combiner / Splitter

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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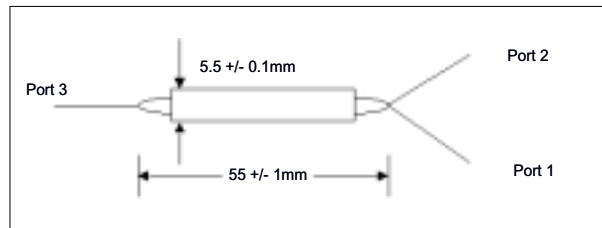
SPECIFICATIONS

Polarization Beam Combiner / Splitter at 980nm

Parameter	Values	Units
Center Wavelength	980	nm
Operating Wavelength Range	+/-10	nm
Insertion Loss	0.8 (Typ), 1.0 (Max)	dB
Min. Extinction Ratio (Splitter Only)	20	dB
Min. Return Loss	50	dB
Directivity	50	dB
Max. Optical Power	1	W
Fiber Type	PM 980 Panda Fiber on Port 1 and 2, HI 1060 or PM 980 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
1x2	12	980 nm	098	250 μm Panda fiber	25	HI 1060	HI1060	0.75m	75
				400 μm Panda fiber	40	Slow axis align 45degree to port 1	S145	Others	XX
				900 μm loose tube	90	Slow axis align to port 1	S1		
				Others	XX	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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