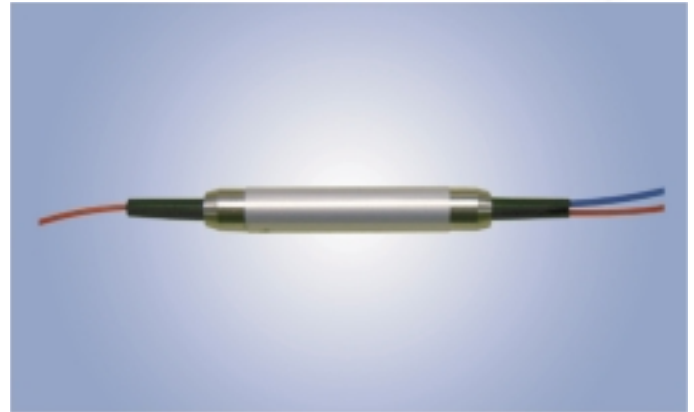




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Polarization Beam Combiner / Splitter

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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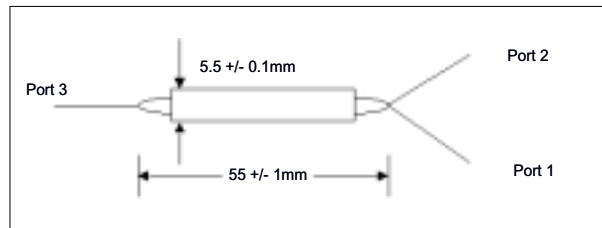
SPECIFICATIONS

Polarization Beam Combiner / Splitter at 1430nm

Parameter	Values	Units
Center Wavelength	1430	nm
Operating Wavelength Range	+/-10	nm
Insertion Loss	0.5 (Typ), 0.7 (Max)	dB
Min. Extinction Ratio (Splitter Only)	22	dB
Min. Return Loss	50	dB
Min. Directivity	50	dB
Max. Optical Power (CW)	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.



ORDERING CODES

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

Port	Code	Wavelength	Code	Fiber Types	Code	Fiber Type on Port 3	Code	Fiber Length	Code
1x2	12	1430 nm	143	250 μm bare fiber	25	SMF-28	SM28	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
								Others	XX

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Tel: +852 2480-6106 Fax: +852 2480-1621 Email: contact@optolinkcorp.com Website: www.optolinkcorp.com