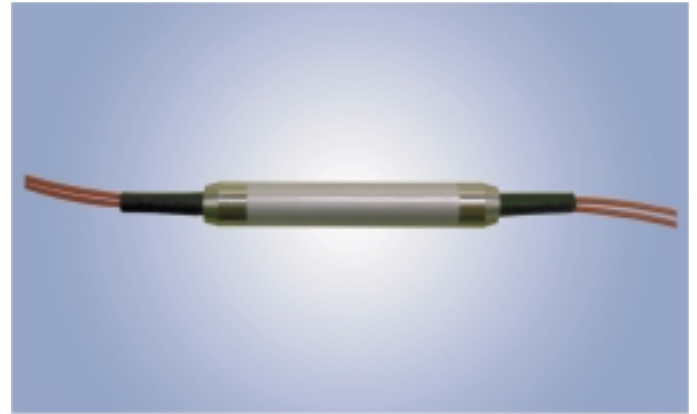




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Polarization Beam Combiner / Splitter

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

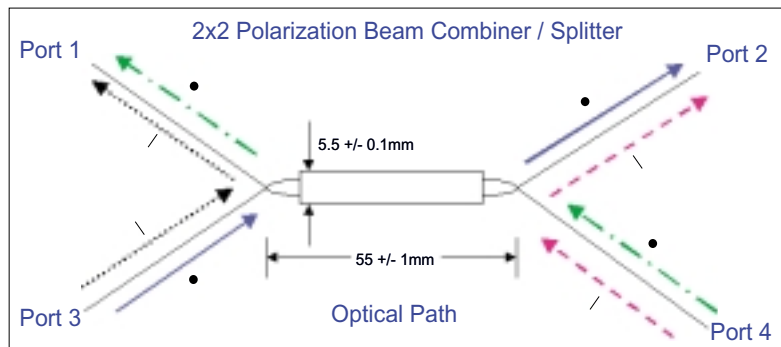
Polarization Beam Combiner / Splitter at 1310nm, 1480nm or 1550nm

Parameter	Values	Units
Center Wavelength	1310, 1480 or 1550	nm
Operating Wavelength Range	+/-40	nm
Insertion Loss#	0.8 (Typ), 1.0 (Max)	dB
Min. Extinction Ratio (Splitter Only)	20	dB
Min. Return Loss	50	dB
Min. Directivity (Port 1 to Port 2, Port 3 to Port 4)	50	dB
Max. Optical Power	500	mW
Fiber Type	PM Panda Fiber for Port 1 & 2, SMF-28 or PM Panda Fiber for Port 3 & 4	
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.

#Insertion Loss measured for Port 3 to Port 1 and Port 2 at slow axis, Port 4 to Port 1 and Port 2 at fast axis.



ORDERING CODES

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

Port	Code	Wavelength	Code	Fiber Types	Code	Fiber Type on Port 3	Code	Fiber Length	Code
2x2	22	1064 nm	106	250 μm Panda fiber	25	SMF -28	SM28	0.75m	75
		1310 nm	131	400 μm Panda fiber	40	Slow axis align 45degree to port 1	S145	Others	XX
		1480 nm	148	900 μm loose tube	90	Slow axis align to port 1	S1		
		1550 nm	155	Others	XX	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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