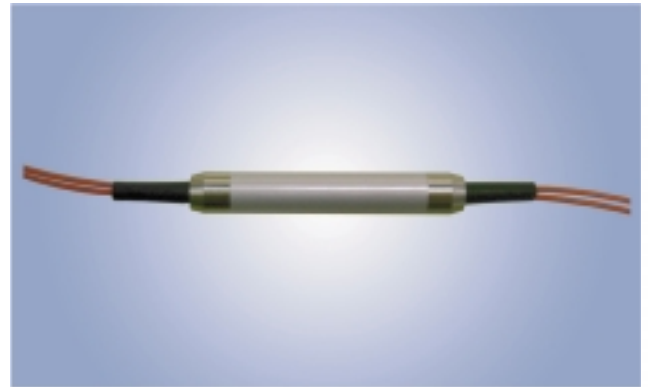




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Polarization Maintaining Couplers

The Polarization Maintaining (PM) Coupler Provides optical signal splitting with accurate tap ratio while preserving the state of polarization. By combining thin film filter technology and PM collimators, the PM coupler features has low insertion loss, high return loss, high extinction ratio and environmentally stable.



Applications

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

Features

- Ultra Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- Accurate Coupling Ratio
- Wide Bandwidth
- Environmentally Stable



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SPECIFICATIONS

Polarization Maintaining Couplers (1310/1480nm)

Parameter	Values	Units
Center Wavelength	1310 & 1480	nm
Operating Wavelength Range	+/- 40	nm
Configuration	1x2	--
Max. Insertion Loss (Input->Output)@1480nm	1.15	dB
Max. Insertion Loss (Input->Tap)@1480nm	10.7	dB
Max. Insertion Loss (Tap->Input)@1310nm	10.7	dB
Min. Extinction Ratio	20	--
Min. Return Loss	50	dB
Max. Optical Power (CW)	300	mW
Max. Tensile Load	5	N
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Fiber Type	SMF-28 or PM Panda Fiber on Tap Port PM 1310 Panda Fiber on Input & Output Port	--

*Above specifications are for device without connectors.

*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.

ORDERING CODES

OLCPL - P - [] - [] - [] - [] - []

Port	Code
1x2	12

Wavelength	Code
1310/1480 nm	1348
Others	XX

Coupling Ratio	Code
50/50	50
40/60	40
30/70	30
20/80	20
Specify	XX

Lead Types	Code
250 µm bare fiber	25
900 µm loose tube	90
3 mm loose cable	3

Connector Type	Code
No Connectors	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
Others	XX

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