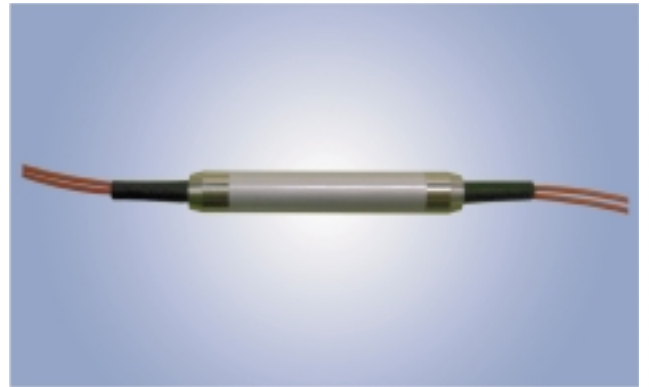




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Polarization Maintaining Couplers

Polarization Maintaining (PM) Couplers provide optical signal splitting with accurate tap ratio while preserving the state of polarization. By combining thin film filter and PM collimators, these PM couplers feature low insertion loss, high return loss, high polarization isolation and are environmentally stable.



Applications

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

Features

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



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SPECIFICATIONS

Polarization Maintaining Couplers at 1310nm or 1550nm

Parameter	Values		Units
Center Wavelength	1310, 1550		nm
Operating Wavelength Range	+/- 40		nm
Type	1x2	2x2	--
Max. Excess Loss	0.7	1.0	dB
Max. Uniformity	0.6	0.8	dB
Tap Ratio	1+/-0.2%, 2+/-0.4%, 5+/-1%, 10%, 20% and 50%		--
Min. Return Loss	50		dB
Min. Extinction Ratio / Polarization Isolation	20	18	dB
Max. Optical Power (Continuous Wave)	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 Panda Fiber on Input & Output Port		

*Above specifications are for device without connectors.

Polarization Maintaining Couplers at 1064nm

Parameter	Values		Units
Center Wavelength	1064		nm
Operating Wavelength Range	+/-20		nm
Type	1x2	2x2	--
Max. Excess Loss	0.7	1.1	dB
Max. Uniformity (only for 50/50)	0.6	0.8	dB
Tap Ratio	1+/-0.2%, 2+/-0.4%, 5+/-1%, 10% & 50% or Specify		--
Min. Return Loss	50		dB
Min. Extinction Ratio / Polarization Isolation	20		dB
Max. Optical Power (Continuous Wave)	300		mW
Max. Tensile Load	5		N
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C
Fiber Type	PM980 Panda Fiber or HI1060 on Tap Port PM 980 Panda Fiber on Input & Output Port		

*Above specifications are for device without connectors.

*IL is 0.5dB higher, RL is 5dB lower, and ER is 2dB lower for each connector added.

*Connector key is aligned to slow axis.

Polarization Maintaining Couplers at 980nm

Parameter	Values		Units
Center Wavelength	980		nm
Operating Wavelength Range	+/- 10		nm
Configuration	1x2	2x2	--
Max. Excess Loss	1.2	1.7	dB
Max. Uniformity (only for 50%)	0.8	1.0	dB
Tap Ratio	1+/-0.2%, 2+/-0.4%, 5+/-1%, 10%, and 50%		--
Min. Return Loss	50		dB
Min. Extinction Ratio	20		dB
Max. Optical Power (Continuous Wave)	300		mW
Max. Tensile Load	5		N
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C
Fiber Type	HI1060 or PM Panda Fiber on Tap Port PM Panda Fiber on Input & Output Port		--

*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.

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ORDERING CODES

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

Port	Code
1x2	12
2x2	22

Wavelength	Code
980 nm	098
1064 nm	106
1310 nm	131
1550 nm	155
Specify	X

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
LC/PC	LP
MU/PC	MP
Others	XX