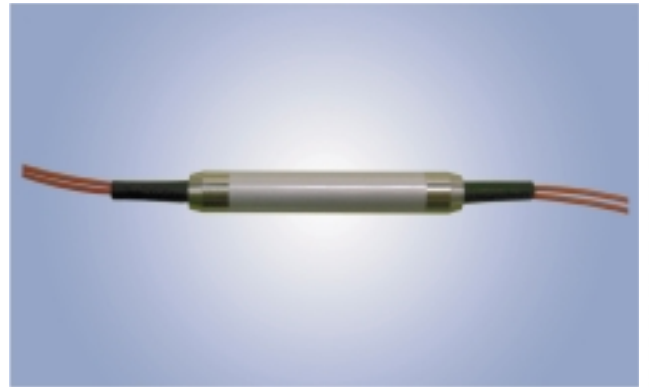




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Polarization Maintaining Couplers

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 at 1620~1690nm

Parameter	Values	Units
Operating Wavelength Range	1620~1690	nm
Configuration	1x2	--
Max. Excess Loss	1.2	dB
Tap Ratio	10 +/-2	%
Min. Return Loss	50	dB
Min. Extinction Ratio	20	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 for Tap Port PM Panda Fiber for Input & Output Ports	--

*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	Wavelength	Code	Coupling Ratio	Code	Working Axis	Code
1x2	12	1655 nm	165	50/50	50	Fast axis blocked	F
Specify	XX	Specify	XX	40/60	40		
				30/70	30		
				20/80	20		
				Specify	XX		

Lead Types	Code	Connector Type	Code
250 μm bare fiber	25	No Connectors	NC
900 μm loose tube	90	FC/PC	FP
3 mm loose cable	3	SC/PC	SP
		FC/APC	FA
		SC/APC	SA
		Others	XX

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