

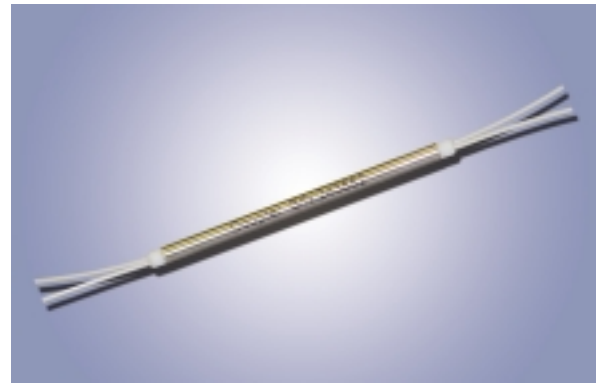


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# Polarization Maintaining Filter Couplers

Wavelength: 1310nm 1550nm

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 equipments
- 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

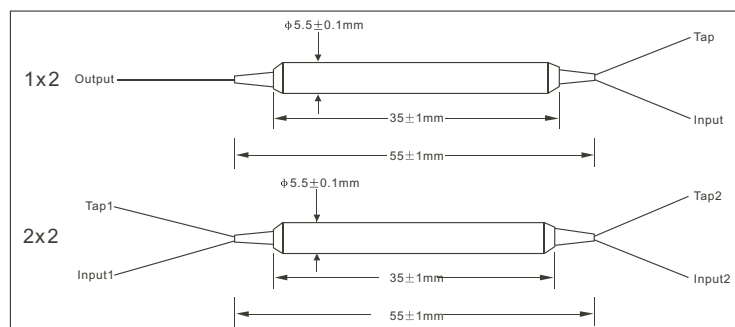
### Polarization Maintaining Filter Couplers at 1310nm or 1550nm

Parameter	Values		Units
Center Wavelength	1310 or 1550		nm
Operating Wavelength Range	+/- 40		nm
Configuration	1x2	2x2	--
Max. Excess Loss	0.7	1.0	dB
Max. Uniformity	0.6	0.8	dB
Tap Ratio	1 +/-0.2%, 5 +/-1.0%, 10%, and 50%		--
Min. Return Loss	50		dB
Min. Extinction Ratio	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		--

\*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.

## PACKAGE DIMENSIONS



## ORDERING CODES

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

Wavelength	Code	Port	Code	Coupling Ratio	Code
1064 nm	106	1x2	12	50/50	50
1310 nm	131	2x2	22	40/60	40
1550 nm	155	Specify	X	30/70	30
1310 & 1550nm	135			20/80	20
Specify	X			Specify	X

Lead Types and Package Dimensions	Code	Connector Type	Code	
250 μm bare fiber	Ø3.0mm x 48mm	25	no connectors	NC
900 μm loose tube	A: Ø3.5mm x 66mm	90A	FC/PC	FP
	B: 90mm x 16mm x 9 mm	90B	SC/PC	SP
3 mm loose cable	B: 90mm x 16mm x 9mm	3B	FC/APC	FA
	C: 106mm x 79mm x 10mm	3C	SC/APC	SA
			LC/PC	LP
			MU/PC	MP
			Others	XX

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