

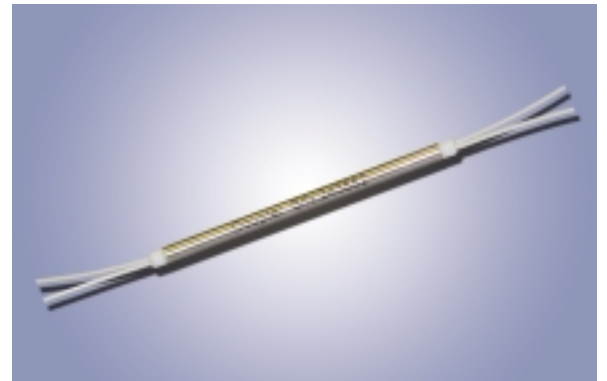


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# Polarization Maintaining Couplers

(Wavelength: 820nm)

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

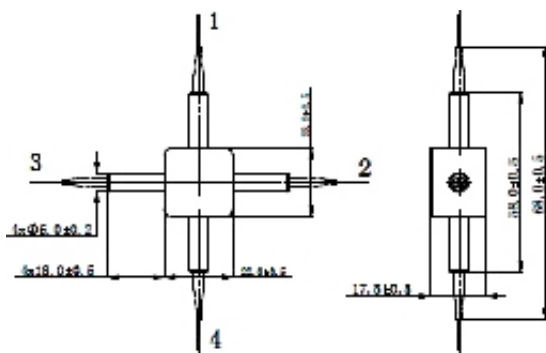
### Polarization Maintaining Couplers at 820nm

Parameter	Values	Units
Center Wavelength	820	nm
Operating Wavelength Range	+/- 40	nm
Configuration	2x2	--
Max. Excess Loss	1.1	dB
Max. Uniformity (only for 50%)	0.8	dB
Tap Ratio	50	%
Min. Return Loss	50	dB
Min. Extinction Ratio	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	PM 850 Panda Fiber	--

\*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.

\*Tap ratio along slow axis.



## ORDERING CODES

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

Port	Code
1x2	12
2x2	22

Wavelength	Code
820 nm	082
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

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