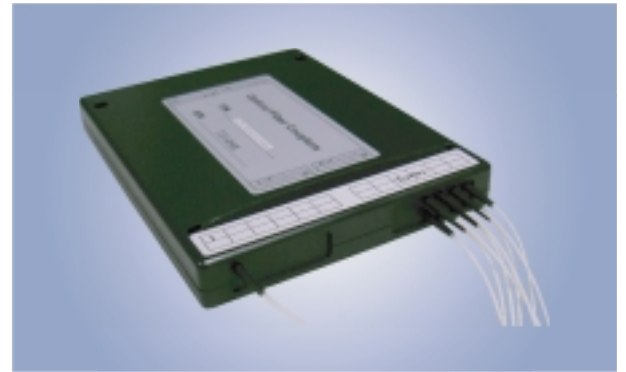




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## Single Mode Couplers

Single Mode Couplers are used to distribute optical signals between fibers. We offer various types of single mode coupler including standard couplers, polarization independent couplers, wavelength independent couplers and wavelength flattened couplers. These couplers are highly stable. They have low insertion loss, low polarization sensitivity and excellent uniformity.



### Types

- Single Mode **Standard** Couplers
- Single Mode **Polarization Independent** Couplers
- Single Mode **Wavelength Independent** Couplers
- Single Mode **Wavelength Flattened** Couplers

### Applications

- Long Haul Telecommunications
- Test Equipment
- CATV System
- Fiber Optic Sensors
- Network Monitoring
- LAN, WAN Systems
- Subscribers Loop

### Features

- Ultra Low Insertion Loss
- Ultra Low Polarization Sensitivity
- Dual-Window
- Various Coupling Ratio
- Wide Bandwidth
- Environmentally Stable
- Excellent Uniformity



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## SPECIFICATIONS

### Single Mode 1x4 Couplers (1310nm, 1550nm)

Parameter		Standard	Polarization Independent	Wavelength Independent	Wavelength Flattened	Units
Operating Wavelength		1310 or 1550, others on request			1310 & 1550	nm
Bandwidth		±20	±20	±40	±40	nm
Excess Loss	Max	0.25	0.25	0.25	0.25	dB
Insertion Loss	Typ	6.2	6.2	6.2	6.2	dB
	Max	6.8	6.8	6.8	7.0	dB
Polarization Dependent Loss (PDL)	Max	0.2	0.08	0.2	0.2	dB
Uniformity	Max	1.2	1.2	1.2	1.6	dB
Thermal Stability	Max	0.2				dB
Return Loss	Min	50				dB
Directivity	Min	60				dB
Operating Temperature		-20 to +70				°C
Dimensions		106 x 79 x 10				mm

\*Above specifications are for device without connectors.

## ORDERING CODES

OLCPL - S - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Features	Code
Standard	SD
Polarization Independent	PI
Wavelength Independent	WI
Wavelength Flattened	WF

Wavelength	Code
1310 nm	131
1550 nm	155
1310 & 1550nm	135
Others	Please Specify

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

Port	Code
1 x 4	14

Coupling Ratio	Code
25/25/25/25	25

Lead Types	Code
900 µm loose tube	90
3 mm loose cable	3

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