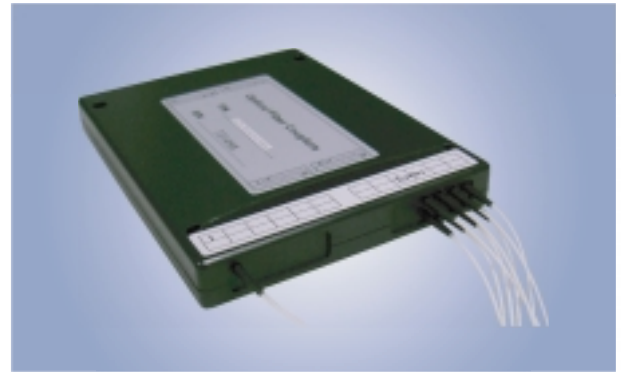




Opto-Link  
Corporation Ltd

## 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



Opto-Link  
Corporation Ltd

## SPECIFICATIONS

Single Mode Wavelength Independent Couplers (4 x 4, 1310nm and 1550nm)

Parameter		Units
Operating Wavelength	1310 or 1550, 1310/1550	nm
Bandwidth	± 40	nm
Coupling Ratio	25/25/25/25	
Insertion Loss	< 7.0 (Typ. 6.2)	dB
Excess Loss	< 0.25	dB
Uniformity	< 1.6	dB
Polarization Dependent Loss (PDL)	< 0.2	dB
Return Loss	> 50	dB
Directivity	> 60	dB
Thermal Stability	< 0.2	dB/°C
Operating Temperature	-20 to +70	°C
Fiber Length	1	m
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

Port	Code
4 x 4	44

Coupling Ratio	Code
25/25/25/25	25

Lead Types	Code
250 µm bare fiber	25
900 µm loose tube	90
3 mm loose cable	3

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

■ Opto-Link Corporation Ltd. reserves the right to make changes to the products described herein without notice.

COPYRIGHT © 2002-2008 Opto-Link Corporation Ltd.

Tel: +852 2480-6106 Fax: +852 2480-1621 Email: [contact@optolinkcorp.com](mailto:contact@optolinkcorp.com) Website: [www.optolinkcorp.com](http://www.optolinkcorp.com)