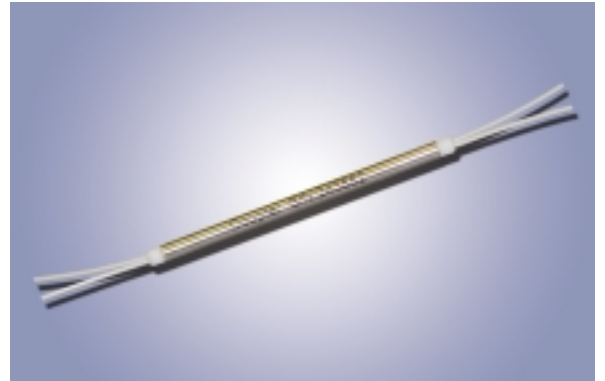




Opto-Link
Corporation Ltd

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



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SPECIFICATIONS

Single Mode Couplers (1053nm)

Parameter		Standard					Units
Operating Wavelength		1053					nm
Bandwidth		±10					nm
Coupling Ratio		01/99	5/95	10/90	20/80	50/50	%
Insertion Loss	Max	21.5/0.25	14.7/0.5	10.9/0.7	7.5/1.2	3.5	dB
PDL(tap/through port)	Max	0.15/0.1	0.15/0.1	0.15/0.1	0.15/0.1	0.1	dB
Excess Loss	Max	0.15					dB
Thermal Stability		<0.002dB/°C over -20°C to 70°C					dB/°C
Directivity	1x2	>50					dB
	2x2	>60					dB
Optical Power		10					W
Fiber Type		Corning Hi 1060 Flex					--
Package Dimensions		250um bare fiber dia. 3.0mmX48mm, 900um loose tube dia. 3.5mmX66mm					--
Operating Temperature		-20 to 70					°C
Storage Temperature		-40 to 85					°C

*Above specifications are for device without connectors.

ORDERING CODES

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

Features	Code
Standard	SD

Wavelength	Code
1053 nm	105
Others	Please Specify

Port	Code
1 x 2	12
2 x 2	22

Coupling Ratio	Code
50/50	50
20/80	20
10/90	10
05/95	05
01/99	01

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

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

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