

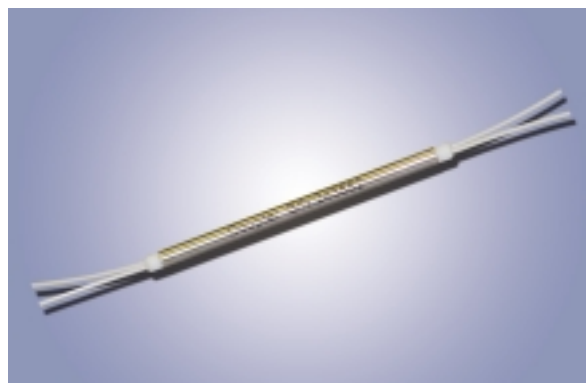


Opto-Link
Corporation Ltd

Single Mode Standard Couplers

Wavelength: 1300+/-40nm

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 flattenend couplers. These couplers are highly stable. They have low insertion loss, low polarization sensitivity and excellent uniformity.



Applications

- Long Haul telecommunications
- Test equipments
- CATV system
- Fiber optic sensors
- Network monitoring
- LAN, WAN systems
- Subscribers loop

Features

- Low insertion loss
- Low polarization sensitivity
- Environmentally stable
- Excellent uniformity



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SPECIFICATIONS

Single Mode Standard Couplers at 1300nm

Parameter	Values					Units
Operating Wavelength	1300					nm
Bandwidth	+/- 40					nm
Excess Loss	< 0.10					dB
Coupling Ratio	10/90	20/80	30/70	40/60	50/50	--
Max. Insertion Loss	10.8/0.65	7.8/1.2	5.6/1.8	4.4/2.5	3.4	dB
Polarization Dependent Loss	0.10/0.05	0.10/0.05	0.10/0.08	0.10/0.08	0.08/0.08	dB
Wavelength Dependent Loss	0.35/0.1	0.35/0.2	0.35/0.3	0.35/0.3	0.3	dB
Return Loss	>50					dB
Directivity	1x2>60, 2x2>65					dB
Thermal Stability	< 0.002 (over -40°C to +85°C)					dB/°C
Operating Temperature	-20 to +70					°C

*Above specifications are for device without connectors.

ORDERING CODES

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

Wavelength	Code
1300 nm	130

Lead Types and Package Dimensions		Code
250 µm bare fiber	Ø3.0mm x40mm	25
900 µm loose tube	A: Ø3.5mm x 54mm	90A
	B: 80mm x 16mm x 9 mm	90B
2 or 3 mm loose cable	B: 80mm x 16mm x 9mm	3B
	C:106mm x 79mm x 10mm	3C

Port	Code
1 x 2	12
2 x 2	22

Coupling Ratio	Code
50/50	50
40/60	40
30/70	30
20/80	20
10/90	10

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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