

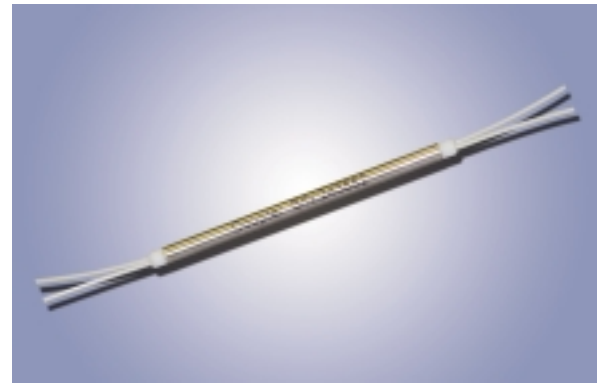


Opto-Link
Corporation Ltd

Single Mode Couplers

(Wavelength: 840 +/- 40nm)

Single Mode Standard Couplers are used to distribute optical signals between fibers. The couplers are manufactured using fused biconical taper technology. These couplers are highly stable and they have low insertion loss, low polarization sensitivity and excellent uniformity.



Applications

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

Features

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



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SPECIFICATIONS

Single Mode Couplers (780nm, 850nm)

Parameter	Values	Units
Operating Wavelength	840	nm
Operating Bandwidth	+/- 40	nm
Configuration	2x2	--
Coupling Ratio	10/90, others on request	%
Excess Loss	0.10	dB
PDL	0.10	dB
Typ. Insertion Loss	11.3 /0.5	dB
Uniformity	< 0.7	dB
Directivity	> 55	dB
Fiber Type	HI 780 fiber	--
Operating Temperature	-20 to +75	°C
Storage Temperature	-40 to +80	°C

*Above specifications are for device without connectors.

ORDERING CODES

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

Wavelength	Code
840 nm	084

Lead Types and Package Dimensions		Code
250 μm bare fiber	Ø3.0mm x54mm	25
900 μm loose tube	A: Ø3.0mm x 54mm	90A
	B: 3.0mm x 60mm	90B
3 mm loose cable	B: 8.5mm x 14mm x 98mm	3B
	C:88.9mm x 50.88mm x 9.2mm	3C

Port	Code
1 x 2	12
2 x 2	22

Coupling Ratio	Code
50/50	50
others	XX

Connector Type	Code
No Connector	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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