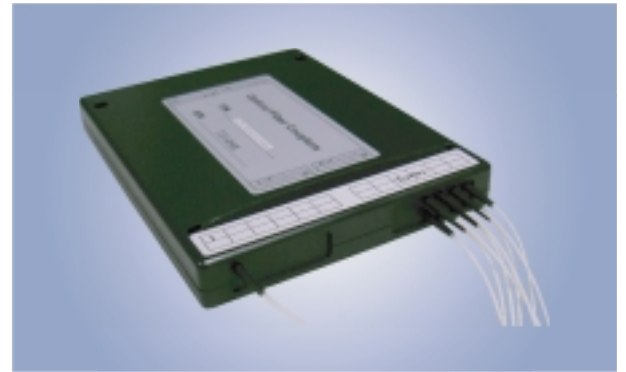




Opto-Link
Corporation Ltd

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 1x10 Standard Couplers (1310nm, 1550nm)

| Parameter | | Standard | Units |
|-----------------------------------|-----|---------------------------------|-------|
| Operating Wavelength | | 1310 or 1550, others on request | nm |
| Bandwidth | | ±20 | nm |
| Excess Loss | Max | 0.55 | dB |
| Insertion Loss | Max | 11.6 | dB |
| Polarization Dependent Loss (PDL) | Max | 0.4 | dB |
| Uniformity | Max | 2.4 | dB |
| Thermal Stability | Max | 0.4 | dB |
| Directivity | Min | 60 | dB |
| Fiber Length | | 1 | m |
| Operating Temperature | | -20 to +70 | °C |
| Dimensions | | 145 x 116 x 18 | mm |

*Above specifications are for device without connectors.

ORDERING CODES

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

| Features | Code |
|----------|------|
| Standard | SD |

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

| Port | Code |
|--------|------|
| 1 x 10 | 110 |

| Coupling Ratio | Code |
|----------------|------|
| Even Split | 10 |

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

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

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