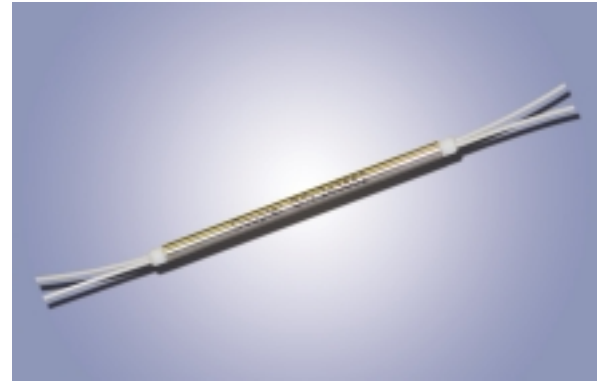




Opto-Link
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Single Mode Couplers

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 (1310nm and 1550nm)

| Parameter | | Units |
|-----------------------------------|--------------|-------|
| Operating Wavelength | 1310 or 1550 | nm |
| Bandwidth | ± 20 | nm |
| Port Configuration | 3x3 | -- |
| Coupling Ratio | 33/33/33 | % |
| Insertion Loss | < 5.8 | dB |
| Uniformity | < 1.2 | dB |
| Polarization Dependent Loss (PDL) | < 0.2 | dB |
| Return Loss | > 55 | dB |
| Directivity | > 55 | dB |
| Fiber Type | SMF-28 | -- |
| 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 |
|------------|------|
| 1310 nm | 131 |
| 1550 nm | 155 |
| Others | XX |

| Port | Code |
|-------|------|
| 3 x 3 | 33 |

| Coupling Ratio | Code |
|----------------|------|
| 33/33/33 | 33 |

| Lead Types | Code |
|-------------------|------|
| 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 |

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