

Special Wavelength Coupler

Description

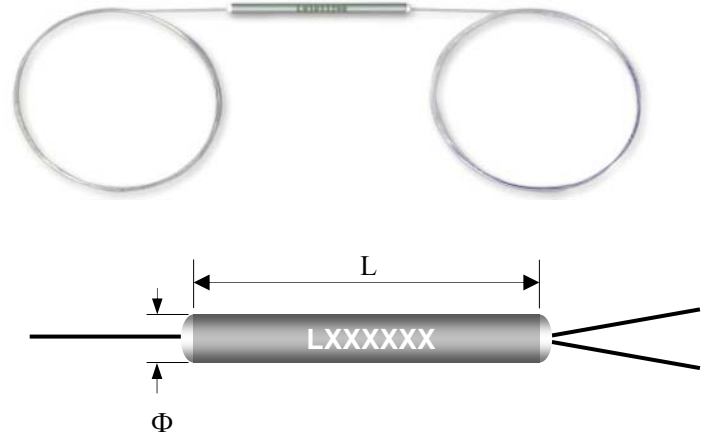
Besides 1310nm and 1550nm fiber couplers, LightComm manufactures special couplers with work at wavelengths of 473nm, 532nm, 655nm, 850nm, 980nm, 1064nm, 1625nm etc. These couplers use special single mode fibers.

Key Features

- Wavelength on customer request
- Coupling ratio on customer request
- Low excess loss
- High stability and reliability

Applications

- Fiber sensors
- Optical communication systems
- Testing instruments



Specifications

| Parameter | | Special Wavelengths Coupler | | | | | | | |
|----------------------------|---|-----------------------------|--------|--------|--------|------------|---------|------|------|
| Operating wavelength (nm) | | 473 | 532 | 655 | 850 | 980 | 1064 | 1480 | 1625 |
| Operating bandwidth (nm) | | ±15 | | | | | | | |
| Coupling ratio | | 1/99 ~ 50/50 | | | | | | | |
| Fiber type | | 460-HP | 630-HP | HI780C | 780-HP | HI1060flex | SMF-28e | | |
| Typical excess Loss(dB) | P | 0.8 | 0.5 | 0.3 | | 0.15 | 0.1 | 0.1 | |
| | A | 1.0 | 0.7 | 0.4 | | 0.2 | 0.15 | 0.15 | |
| Directivity (dB) | | ≥50 | | | | | | | |
| Operating temperature (°C) | | -40 ~ +85 | | | | | | | |

*Other specifications can be made on customer request.

Package Information

| | | | |
|-------------------|----------------------------|------------------|--------------------------|
| Configuration | 1×2 or 2×2 | | |
| Fiber lead length | 1 meter, others on request | | |
| Fiber type | 250μm bare fiber | 900μm loose tube | 900μm/2mm/3mm loose tube |
| Dimensions (Φ×L) | Φ3.0mm×54mm | Φ3.0mm×70mm | 90mm×14mm×8.5mm |
| | Φ2.4mm×42mm | Φ3.0mm×54mm | |

*Other package dimensions can be made on customer request.

Ordering Information

