

Special Wavelength Coupler

Description

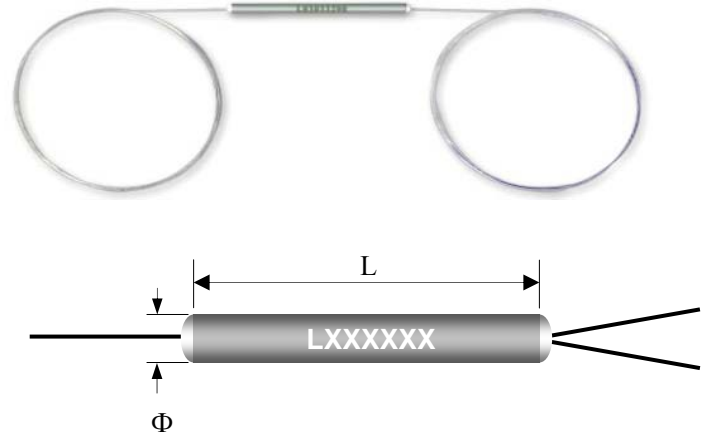
Besides 1310nm and 1550nm fiber couplers, LightComm manufactures special couplers with work at wavelengths of 473nm, 532nm, 655nm, 850nm, 980nm, 1064nm, 1625nm etc. These couplers use special single mode fibers.

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

