



Special Wavelengths Coupler (460, 532, 633, 830, 1064, 1625nm, etc)



Overview:

Besides 1310nm and 1550nm fiber couplers, LightComm manufactures special couplers working at wavelength of 460nm, 532nm, 633nm, 830nm, 1064nm, 1625nm etc. These couplers use special single mode fiber, and the coupling ratio can be made on customer request.

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

Specification:

Parameter									
Operating Wavelength (nm)		460	532	633	830	930	1064	1480	1625
Operating Bandwidth (nm)		± 15							
Coupling Ratio		1/99 ~ 50/50							
Typical excess Loss (dB)	P	0.2	0.2	0.2	0.1	0.03	0.03	0.07	0.07
	A	0.3	0.3	0.3	0.15	0.12	0.12	0.1	0.1
PDL (dB)	P	< 0.15	< 0.15	< 0.15	< 0.15	< 0.1	< 0.15	< 0.1	< 0.1
	A	< 0.2	< 0.2	< 0.2	< 0.2	< 0.15	< 0.2	< 0.15	< 0.15
Directivity (dB)		> 55							
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	250 μm bare fiber	900 μm loose tube	900 μm/2mm/3mm loose tube
Dimensions (φ × L)	φ 8.0mm × 54mm	φ 8.0mm × 70mm	90mm × 14mm × 3.5mm
	φ 2.4mm × 42mm	φ 8.0mm × 54mm	

*Other package dimensions can be made on customer request.

Ordering Information:

XXX-X-XXX-XXXX-XX/XX-X-X-XX/XX-XX*XX

