

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

### 1. Description:

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

### 2. Features:

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



### 3. Applications:

- \* Fiber sensors
- \* Optical communication systems
- \* Testing instruments

### 4. Specifications:

Parameter									
Operating wavelength (nm)		460	532	633	830	980	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	0.08	0.08	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.

### 5. 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 ( × L)	3.0mm × 54mm	3.0mm × 70mm	90mm × 14mm × 8.5mm
	2.4mm × 42mm	3.0mm × 54mm	

\*Other package dimensions can be made on customer request.

## 6. Product Ordering Information

XXX-X-XXX-XXX-XX/XX-X-X-XX/XXX-XX\*XX

