

## Mini Size Standard Coupler (SSC)



### Overview:

The mini size couplers are designed to meet the requirement of the optical modules and fiber systems which need the small coupler package size. LightComm developed the mini size SSC with high stability and reliability. The smallest size of the coupler is  $\varnothing 2.0 \times 18$  mm.

### Features:

- \* Mini size
- \* Low excess loss
- \* Low PDL
- \* High stability and reliability

### Applications:

- \* Mini size EDFA
- \* Mini size transmitter/receiver module
- \* Optical communication systems
- \* Testing instruments

**Specification:**

Parameter					
Operating wavelength (nm)		1310 or 1550, others on request			
Operating bandwidth (nm)		±15			
Package size (φ×L) (mm)		φ2.4×30; φ2.4×25		φ2.4×22; φ2.0×18	
Grade		P	A	P	A
Typical excess loss (dB)		0.1	0.15	0.15	0.25
Insertion loss (dB)	50/50	<3.4	<3.6	<3.6	<3.8
	40/60	<4.4/2.6	<4.7/2.8	<4.6/2.7	<4.9/2.9
	30/70	<5.7/1.9	<6.0/2.0	<5.9/1.9	<6.2/2.1
	20/80	<7.6/1.2	<8.0/1.3	<7.8/1.2	<8.2/1.4
	10/90	<11.0/0.65	<11.5/0.8	<11.2/0.7	<11.8/0.9
	5/95	<14.2/0.4	<14.8/0.5	<14.5/0.45	<15.0/0.55
	2/98	<18.5/0.25	<19.0/0.35	<18.8/0.3	<19.2/0.4
	1/99	<21.5/0.2	<22.0/0.3	<21.8/0.25	<22.2/0.35
PDL (dB)		<0.1	<0.15	<0.1	<0.15
Directivity (dB)		>55			
Operating temperature (°C)		-40 ~ +85			
Configuration		1×2 or 2×2			
Fiber lead length		1 meter, others on request			

\*Other specifications can be made on customer request.

**Ordering Information:**

SSC-X-XXX-XXXX-XX/XX-X-X-XX/XXX-XX\*XX

