

# Mini Size Standard Coupler (SSC)

## Description

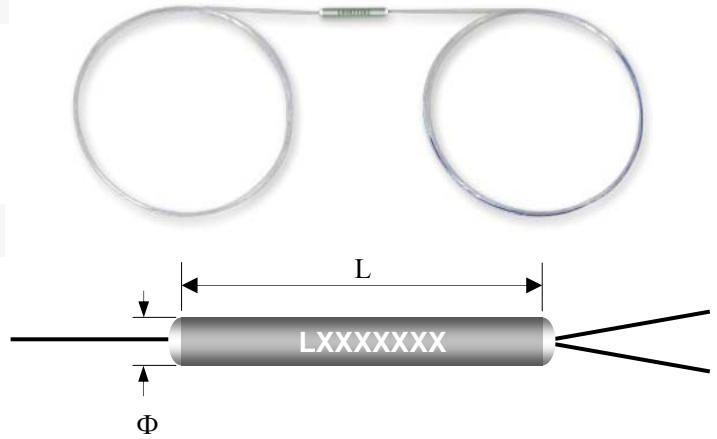
Mini size couplers are designed to meet the requirement of the optical modules and fiber systems where need the small coupler package size. LightComm develops the mini size SSC with high stability and reliability.

## 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



## Specifications

Parameter					
Operating wavelength (nm)		1310 or 1550, others on request			
Operating bandwidth (nm)		±15			
Package size (Φ×L) mm		Φ3.0/Φ2.4×30; Φ2.4×25		Φ2.4×22; Φ2.0×18	
Grade		P	A	P	A
Typical excess loss (dB)		0.10	0.15	0.15	0.25
Insertion loss (dB)	50/50	≤3.50	≤3.70	≤3.60	≤3.80
	40/60	≤4.50/2.70	≤4.80/2.90	≤4.60/2.80	≤4.90/3.00
	30/70	≤5.80/2.00	≤6.10/2.10	≤5.90/2.10	≤6.30/2.20
	20/80	≤7.70/1.25	≤8.00/1.30	≤7.80/1.30	≤8.20/1.40
	10/90	9.35~ 11.15/≤0.70	9.15~ 11.35/≤0.85	9.50~ 11.30/≤0.75	9.30~11.50/≤0.85
	5/95	12.15~ 14.35/≤0.45	11.90~ 14.60/≤0.55	12.30~ 14.50/≤0.50	12.05~ 14.75/≤0.55
	3/97	14.20~ 16.70/≤0.35	13.90~ 17.00/≤0.45	14.35~ 16.85/≤0.40	14.05~ 17.15/≤0.45
	2/98	15.85~ 18.50/≤0.30	15.50~ 19.00/≤0.35	16.00~ 18.80/≤0.35	15.65~ 19.15/≤0.40
	1/99	18.70~ 21.50/≤0.25	18.30~22.20/≤0.30	18.85~ 21.80/≤0.30	18.45~ 22.35/≤0.35
PDL (dB)		≤0.1	≤0.15	≤0.1	≤0.15
Directivity (dB)		≥50			
Operating temperature (°C)		-40 ~ +85			
Configuration		1×2 or 2×2			
Fiber lead length		1 meter, others on request			

\*The above specification is without connector

\*\*Other specifications can be made on customer request.

## Ordering Information

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

