

# Needle Size Coupler (SSC)

## Description

Needle size couplers feature compact package size, low insertion loss, and high reliability performance. These couplers are designed for optical modules, fiber sensors, and fiber testing instruments.

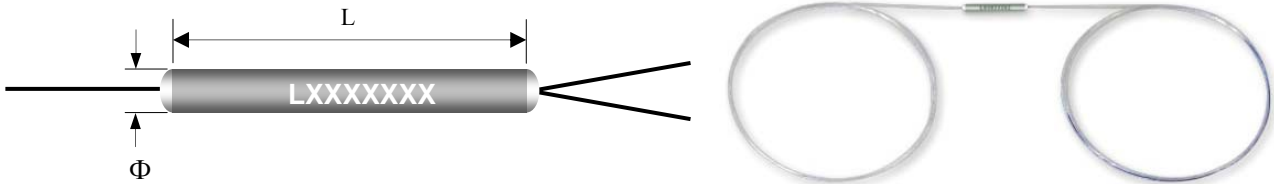
## Features

- Super mini-size
- Low excess loss
- High stability and reliability

## Applications

- Fiber sensor
- Testing instruments

## Mechanical Dimension



## Specifications

Parameter		Needle size coupler	
Operating wavelength (nm)		1310 or 1550, others on request	
Operating bandwidth (nm)		±15	
Package dimension (Φ×L) (mm)		Φ1.2×18	
Grade		P	A
Typical excess loss (dB)		0.15	0.25
Insertion loss (dB)	50/50	≤3.60	≤3.80
	40/60	≤4.60/2.8	≤4.90/3.00
	30/70	≤5.90/2.10	≤6.30/2.20
	20/80	≤7.80/1.30	≤8.20/1.50
	10/90	≤11.30/0.75	≤11.80/0.90
	5/95	≤14.50/0.50	≤15.00/0.55
	3/97	≤16.90/0.40	≤17.60/0.45
	2/98	≤18.80/0.35	≤19.50/0.40
	1/99	≤21.80/0.30	≤22.50/0.35
PDL (dB)		≤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

