



## 1x4 (4x4) Monolithic Single Mode Coupler (SSC)



### Overview:

1x4, 4x4 monolithic couplers feature compact package size, low insertion loss, and high reliability performance. These couplers are designed for optical modules and the fiber sensors, fiber testing instruments.

### Features:

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

### Applications:

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

**Specification:**

Parameter	Type	1x4				4x4	
		Normal Size		Mini Size			
Operating wavelength (nm)		1310 or 1550, others on request					
Operating bandwidth (nm)		±15					
Grade		P	A	P	A	P	A
Typical excess loss (dB)		0.15	0.25	0.15	0.25	0.20	0.25
Insertion loss (dB)		<7.0	<7.4	<7.2	<7.5	<7.2	<7.8
PDL (dB)		<0.15	<0.2	<0.25	<0.35	<0.20	<0.30
Uniformity (dB)		<1.0	<1.4	<1.2	<1.5	<1.2	<1.5
Directivity (dB)		>55					
Operating temperature (°C)		-40 ~ +85					
Dimensions (φ×L)		φ3.0mm×54mm		φ2.4mm×30mm φ3.0mm×35mm		φ4.0mm×75mm	

\*Other specifications can be made on customer request.

**Package Information:**

Configuration	1×4	4×4
Fiber lead length	1 meter, others on request	
Fiber type	250 μm bare fiber	

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

**Ordering Information:**

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

