



1x3 Monolithic Single Mode Coupler (SSC, DWC)



Overview:

1x3, 3x3 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:

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

Specification:

Parameter \ Type	1 × 3 SSC		1x3 DWC	
Operating wavelength (nm)	1310 or 1550		1310 and 1550	
Operating bandwidth (nm)	±15		±40	
Grade	P	A	P	A
Typical excess loss (dB)	0.1	0.15	0.1	0.15
Insertion loss (dB)	<5.4	<5.7	<5.8	<6.2
PDL (dB)	<0.1	<0.15	<0.15	<0.2
Uniformity (dB)	<0.8	<1.2	<1.2	<1.5
Directivity (dB)	>55			
Operating temperature (°C)	- 40 ~ +85			

*Other specifications can be made on customer request.

Package Information:

Configuration	1 × 3, 3 × 3
Fiber lead length	1 meter, others on request
Fiber type	250 μm bare fiber
Dimensions (φ × L)	φ 3.0mm × 54mm

*Other package dimensions can be made on customer request.

Ordering Information:

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

