

Single Mode Standard Coupler (SSC)

Description

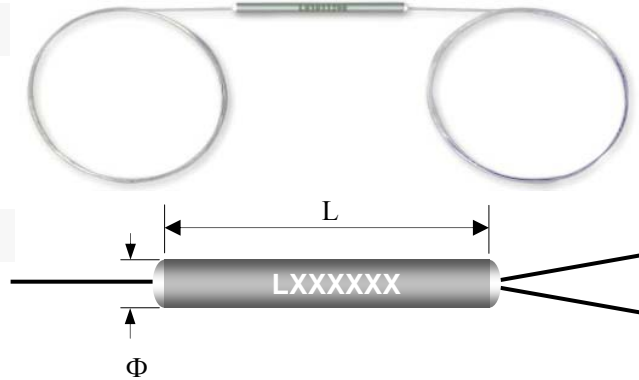
The single mode standard coupler (SSC) features low excess loss, high stability and reliability. It is widely used for optical fiber communication systems and CATV systems.

Key Features

- Low excess loss
- Low PDL
- High stability and reliability

Applications

- CATV
- Optical communication systems
- Testing instruments



Specifications

Parameter		Grade	P	A
Operating wavelength (nm)			1310 or 1550, others on request	
Operating bandwidth (nm)			± 15	
Typical excess loss (dB)			0.07	0.1
Insertion loss (dB)	50/50		≤3.4	≤3.6
	45/55		≤4.1/3.1	≤4.3/3.3
	40/60		≤4.4/2.6	≤4.7/2.8
	35/65		≤5.2/2.3	≤5.5/2.5
	33/67		≤5.4/2.2	≤5.7/2.3
	30/70		≤5.7/1.9	≤6.0/2.0
	25/75		≤6.6/1.7	≤7.0/1.8
	20/80		≤7.6/1.25	≤8.0/1.35
	15/85		≤9.2/1.0	≤9.6/1.2
	10/90		9.2~11.0/≤0.65	9.0~11.2/≤0.8
	5/95		12.0~14.2 /≤0.4	11.75~14.45/≤0.5
	3/97		14.05~16.55/≤0.3	13.75~16.85/≤0.4
2/98		15.7~18.5/≤0.25	15.35~18.85/≤0.35	
1/99		18.55~21.5/≤0.2	18.15~22.0/≤0.3	
PDL (dB)			≤0.10	≤0.15
Directivity (dB)			≥55	
Operating temperature (°C)			-40 ~ +85	

*The above specification is without connector

**Other specifications can be made on customer request.

Package Information

Configuration	1×2 or 2×2		
Fiber lead length	1 meter, others on request		
Fiber type	250μm bare fiber	900μm loose tube	900μm/2mm/3mm loose tube
Dimensions (Φ×L)	Φ3.0mm×54mm	Φ3.0mm×54mm	90mm×14mm×8.5mm
	Φ2.4mm×42mm		

*Other package dimensions can be made on customer request.

Ordering Information

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

