

## Fused Optical Coupler / 熔融拉锥单模耦合器

### Features 特点

Low Excess Loss  
Various Coupling Ratio  
Compact Size

### Applications 应用

Long-haul Telecommunications  
CATV Systems & Fiber Optic Sensors  
Local Area Network



### Optical Specification 性能规范

Configuration	Unit	1×2/2×2				
Type		Single Mode Standard Coupler (SSC)	Single Mode Wide Band Single Window Coupler (SWSC)	All Band Coupler (ABC)	Single Mode Dual Window Coupler (SDWC)	Single Mode Three Window Coupler (STWC)
Operating Wavelength	nm	980 or 1310 or 1550	980 or 1310 or 1550	1260-1620	1310/1550	1310/1490/1550
Operating Bandwidth	nm	±20	±40	--	±40	±40
Max Insertion Loss	50/50	% 3.35/3.35	3.40/3.40	3.80/3.80	3.60/3.60	3.60/3.60
	45/55	% 3.85/2.95	3.85/3.00	4.45/3.45	4.20/3.20	4.20/3.20
	40/60	% 4.40/2.55	4.40/2.60	5.10/3.10	4.70/2.70	4.70/2.70
	33/67	% 5.00/2.20	5.00/2.25	6.00/2.55	5.70/2.20	5.70/2.20
	30/70	% 5.70/1.85	5.70/1.90	6.40/2.30	6.00/1.90	6.00/1.90
	25/75	% 6.55/1.55	6.65/1.55	7.25/1.95	7.00/1.70	7.00/1.70
	20/80	% 7.55/1.25	7.60/1.25	8.30/1.60	7.90/1.30	7.90/1.30
	15/85	% 8.55/0.95	9.05/0.95	9.65/1.35	9.50/1.00	9.50/1.00
	10/90	% 10.80/0.65	11.00/0.65	11.50/1.05	9.20-11.00/0.75	9.20-11.00/0.75
	5/95	% 14.00/0.40	14.20/0.40	14.60/0.80	12.05-14.15/0.40	12.05-14.15/0.40
	3/97	% 16.30/0.30	16.70/0.30	17.00/0.75	14.10-16.50/0.35	14.10-16.50/0.35
2/98	% 18.00/0.25	18.50/0.25	18.80/0.70	15.75-18.45/0.30	15.75-18.45/0.30	
1/99	% 21.50/0.20	21.50/0.20	22.50/0.65	18.60-21.60/0.25	18.60-21.60/0.25	
PDL	dB	≤0.10		≤0.15		
Return Loss	dB				≥50.00	
Directivity	dB				≥55.00	
Operating Temperature	Deg.	-5-75				
Storage Temperature	Deg.	-40-85				
Fiber Length	m	1.00±0.10				
Fiber Diameter	um	250	900	900/2000/3000		
Package	mm	3×45	3×54	90×16×10		

NOTE :The parameters do not include connector, connector IL is 0.30dB

### Product Ordering Guide 产品订购指南

XXXX	X	X	XX	X	X	X	X	
SSC: Single Mode Standard Coupler	Configuration	Operating Wavelength	Coupler Ratio	Fiber Diameter	Package	Fiber Type	Connector	
	1: 1×2	2: 2×2	1:980	50:50/50	1: 250um	2: 3×45	1: SMF-28® Ultra	1: none 2: LC/UPC
SWSC: Single Mode Wide Band Single Window Coupler			2:1310	45:45/55	2: 900um	3: 3×54	2: ofc-16	3: LC/APC
			3:1550	.....	3: 2.0mm	4: 90×16×10	3: ofc-20	4: SC/UPC
			4:1260-1620	01:1/99	4: 3.0mm	5: other	4: HI 1060	5: SC/APC
ABC: All Band Coupler			5:1310/1490		5: other		5: HI 1060Flex	6: FC/UPC
			6:1310/1490/1550				6: other	7: FC/APC
SDWC: Single Mode Dual Window Coupler			7:other				8: other	
STWC: Single Mode Three Window Coupler								