

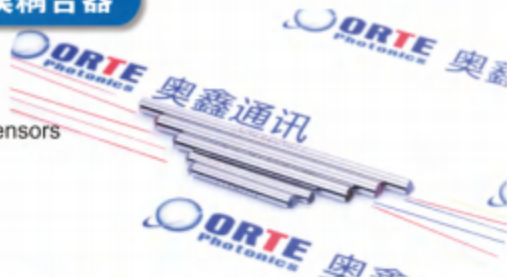
Fused Optical Coupler / 熔融拉锥单模耦合器

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	dB	3.35/3.35	3.40/3.40	3.80/3.80	3.60/3.60	3.60/3.60
	45/55	dB	3.85/2.95	3.85/3.00	4.45/3.45	4.20/3.20	4.20/3.20
	40/60	dB	4.40/2.55	4.40/2.60	5.10/3.10	4.70/2.70	4.70/2.70
	33/67	dB	5.00/2.20	5.00/2.25	6.00/2.55	5.70/2.20	5.70/2.20
	30/70	dB	5.70/1.85	5.70/1.90	6.40/2.30	6.00/1.90	6.00/1.90
	25/75	dB	6.55/1.55	6.65/1.55	7.25/1.95	7.00/1.70	7.00/1.70
	20/80	dB	7.55/1.25	7.60/1.25	8.30/1.60	7.90/1.30	7.90/1.30
	15/85	dB	8.55/0.95	9.05/0.95	9.65/1.35	9.50/1.00	9.50/1.00
	10/90	dB	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	dB	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	dB	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	dB	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	dB	21.50/0.20	21.50/0.20	22.50/0.65	18.60-21.60/0.25	18.60-21.60/0.25
	0.1/99.9	dB	28~32/0.20	-	-	-	-
	0.01/99.99	dB	37~43/0.20	-	-	-	-
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

The above product information is for reference only, please contact our company for the latest information.

Product Ordering Guide 产品订购指南

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