

1*2(2*2) Single Mode Fused Optical Coupler

Features

Low Excess Loss

Various Coupling Ratio

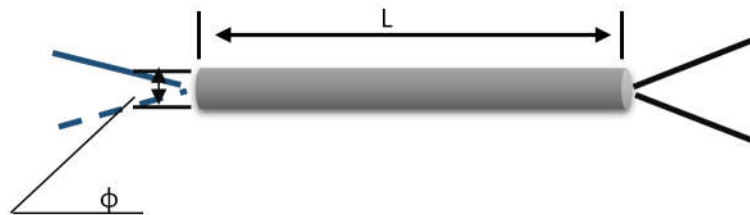
Compact Size

Applications

Long-haul Telecommunications

CATV Systems & Fiber optic Sensors

Local Area Network



OPTICAL SPECIFICATION

Configuration		unit	1x2 or 2x2			
			Single Mode Standard Coupler (SSC)	Single Mode Wide Band Single Window Coupler (SWBC)	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	1310/1550	1310/1490/1550
Operating Bandwidth		nm	±20	±40	±40	±40
MAX IL	1/99	%	18.15~22.0/≤0.3	18.55~21.65/≤0.3	17.95~22.25/≤0.35	17.80~22.40/≤0.35
	2/98	%	15.35~18.85/≤0.35	15.70~18.45/≤0.35	15.15~19.00/≤0.4	15.00~19.20/≤0.4
	3/97	%	13.75~16.85/≤0.4	14.15~16.50/≤0.4	13.60~17.05/≤0.45	13.60~17.05/≤0.45
	5/95	%	11.75~14.45/≤0.5	12.10~14.10/≤0.5	11.60~14.60 /≤0.5	11.55~14.65/≤0.5
	10/90	%	9.0~11.2/≤0.8	9.3~10.9/≤0.8	8.80~11.40 /≤0.8	8.80~11.40/≤0.8
	15/85	%	≤9.6/1.2	≤9.6/1.2	≤10.0/1.2	≤10.0/1.2
	20/80	%	≤8.0/1.35	≤8.0/1.3	≤8.4/1.4	≤8.4/1.4
	25/75	%	≤7.0/1.8	≤7.0/1.8	≤7.3/1.9	≤7.3/1.9
	30/70	%	≤6.0/2.0	≤6.0/2.0	≤6.3/2.1	≤6.3/2.1
	33/67	%	≤5.7/2.3	≤5.7/2.3	≤6.0/2.4	≤6.0/2.4
	40/60	%	≤4.7/2.8	≤4.7/2.8	≤4.9/2.9	≤4.9/2.9
	45/55	%	≤4.3/3.3	≤4.3/3.3	≤4.4/3.4	≤4.4/3.4
	50/50	%	≤3.6	≤3.6	≤3.8	≤3.8
PDL		dB	≤0.20			

Return Loss	dB	≥55
Directivity	dB	≥55
Operating Temperature	°C	-5~70
Storage Temperature	°C	-40~85

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

Package Size

	Unit	size	size	size
Fiber Diameter	um	250	900	900/2000/3000
Package	mm	Φ3.0×L45	Φ3.0×L54	90×14×8.5

Order Information

XXXX	X	X	XX/XX	X	X	X	XX/XX
	Configuration	Operating Wavelength	Coupler Ratio	Fiber diameter	Package	Fiber Type	Connector
ISSC: Single Mode Standard Coupler	1=(1*2) 2=(2*2)	1=980nm 2=1310nm 3=1550nm	50/50 49/51 48/52	1:250um 2:900um 3:2.0mm	1: 3×40 2: 3×45 3: 3×54	1:ClearCurve® XB 2:ofs-16	FC/UPC SC/UPC FC/APC
IWBC: Single Mode Wide Band Single Window Coupler		4=1310&1550 5=1310&1490 &1550	... 1/99	4:3.0mm 5:Other	4:90*10*8 5:Other	3:ofs-20 4:HI 1060 5:HI 1060Flex 6:Other	... LC/UPC
IDWC: Single Mode Dual Window Coupler							
ITWC: Single Mode Three Window Coupler							