

1*2 2*2 Mini Size Single Mode Fused Optical Coupler

Features

Low Excess Loss

Various Coupling Ratio

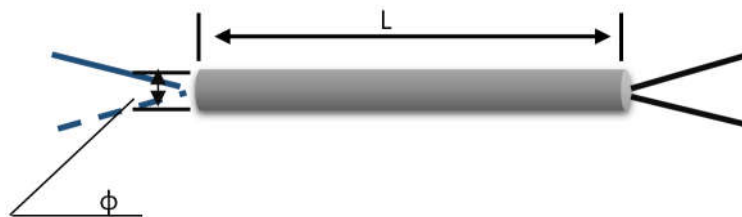
Compact Size

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)
Package Size			Φ3.0(2.4)×L30(25)	Φ3.0(2.4)×L30(25)	Φ3.0(2.4)×L30(25)	Φ3.0(2.4)×L30(25)
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	%	18.30~22.20≤0.30	18.60~ 21.90/≤0.35	17.95~ 22.55/≤0.35	18.10~ 22.85/≤0.45
	2/98	%	15.50~19.00≤0.35	15.70~ 18.75/≤0.40	15.15~ 19.30/≤0.40	15.25~ 19.50/≤0.50
	3/97	%	13.90~17.00≤0.45	14.15~ 16.80/≤0.45	13.60~ 17.30/≤0.45	13.90~ 17.40/≤0.55
	5/95	%	11.90~14.60≤0.55	12.15~ 14.40/≤0.55	11.60~ 14.90/≤0.55	11.80~ 15.10/≤0.55
	10/90	%	9.15~11.35≤0.85	9.30~ 11.20/≤0.85	8.80~ 12.00/≤0.85	8.80~ 12.40/≤0.85
	20/80	%	≤8.00/1.30	≤8.20/1.40	≤8.50/1.50	≤8.70/1.70
	30/70	%	≤6.10/2.10	≤6.30/2.20	≤6.40/2.20	≤6.50/2.30
	40/60	%	≤4.80/2.90	≤4.90/3.00	≤5.00/3.00	≤5.10/3.10
	50/50	%	≤3.70	≤3.80	≤3.90	≤3.90
PDL		dB	≤0.20			
Return Loss		dB	≥55			
Directivity		dB	≥55			
Operating Temperature		°C	-5~70			

Storage Temperature	°C	-40~85
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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(2.4)×L30(25)	--	--

Order Information

XXXX	X	X	XX/XX	X	XX	X	XX/XX
	Configuration	Operating Wavelength	Coupler Ratio	Fiber diameter	Package	Fiber Type	Connector
ISSC:	1=(1*2) 2=(2*2)	1=980nm	50/50	1:250um	M1: 3×25	1:ClearCurve®	FC/UPC
Single Mode		2=1310nm	49/51	2:900um	M2: 3×30	XB	SC/UPC
Standard Coupler		3=1550nm	48/52	3:2.0mm	M3: 2.4×25	2:Other	FC/APC
IWBC:		4=1310&1550	...	4:3.0mm	M4: 2.4x30		...
Single Mode Wide Band Single Window Coupler		5=1310&1490 &1550	1/99	5:Other	5:Other		LC/UPC
IDWC:							
Single Mode Dual Window Coupler							
STWC:							
Single Mode Three Window Coupler							