



Single Mode 1x2 Fused Coupler

Features

- ◆ Low Insertion Loss
- ◆ Low PDL
- ◆ Small Size
- ◆ Compliance with RoHS

Application

- ◆ FTTx
- ◆ CATV Links
- ◆ PON
- ◆ Testing/Monitor System

1X2 Coupler

Parameter		1X2		
Operating wavelength (nm)		1310/1550	1310/1490/1550	1260-1620
Operating bandwidth (nm)		1310±40 ,1550±40	1310±40 ,1490±10,1550±40	
Typical excess loss (dB)		0.1	0.1	0.1
Insertion loss (dB)	50/50	≤3.8	≤3.9	≤4
	40/60	≤4.9/2.9	≤5.0/2.8	≤5.3/3.3
	30/70	≤6.30/2.1	≤6.50/1.95	≤6.7/2.5
	20/80	≤8.4/1.4	≤8.0/1.25	≤8.8/1.8
	10/90	≤12.0/0.8	≤12.20/0.65	≤12.2/1.2
	5/95	≤15.5/0.5	≤16.50/0.45	≤15.5/0.9
PDL (dB)		0.2		
Directivity (dB)		55		
Operating temperature (℃)		-40~85		

Connector loss not included

Packages

Cable type	250µm Bare Fiber	900µm Loose Tube	900µm/2mm/3mm Cable
Package Dimensions(mm)	L45×φ3.0	L54×φ3.0	90x20x10 / 100x80x10



Ordering Information

GLFC	Splitting type	Operating wavelength	Spllitting Ratio	Package	Cable type	Cable length	Connector	
							input	output
GB-Link Fused Coupler	102=1X2	SW13=1310nm	50/50	A=L45×φ3.0mm	B=250µm bear fiber	03=0.3m	0=No connector	
	103=1X3	SW15=1550nm	40/60	B=L54×φ3.0mm	T=tight buffer	05=0.5m	1=SC/APC	
	104=1X4	DW=1310&1550nm	30/70	C=90x20x10mm	09=0.9mm loose tube	10=1m	2=SC/UPC	
	105=1X5	TW=1310&1490&1550nm	20/80	D=100x80x10mm	20=2.0mm loose tube	15=1.5m	3=LC/APC	
	106=1X6	FB=1260-1620nm	10/90	E=L70×φ4mm	30=3.0mm loose tube	20=2m	4=LC/UPC	
			5/95	O=Customerized	CO=Customerized		5=FC/APC	
			EV=even split				6=FC/UPC	
							ST=ST connector	
							MU=MU connector	

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