

1*4 Monolithic Single Mode Fused Optical Coupler

Features

Low Excess Loss

Various Coupling Ratio

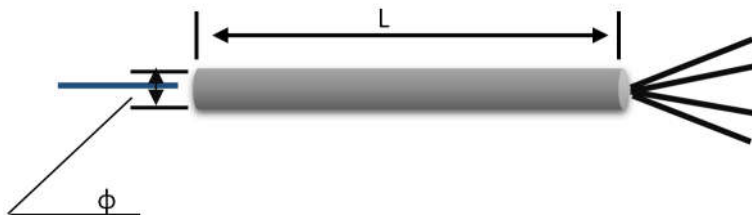
Compact Size

Applications

Long-haul Telecommunications

CATV Systems & Fiber optic Sensors

Local Area Network



OPTICAL SPECIFICATION

Configuration	unit	1x4			
		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	1310 or 1550	1310 or 1550	1310/1550	1310/1490/1550
Operating Bandwidth	nm	±15	±40	±40	±40
Insertion loss	dB	≤7.4	≤7.4	≤7.6	≤7.6
Uniformity	dB	≤14	≤1.4	≤1.8	≤1.8
PDL	dB	≤0.25			
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

Other specifications can be made on customer request

Package Size

	Unit	size	size	size
Fiber Diameter	um	250	900	900/2000/3000
Package	mm	Φ3.0×L54	Φ4.0×L60	

XXXX	X	X	XX/XX	X	X	X	XX/XX
	Configuration	Operating Wavelength	Coupler Ratio	Fiber diameter	Package	Fiber Type	Connector
ISSC:	4=1x4	1=1310nm	E: EVEN	1:250um	1: 3×54	1:ClearCurve®	FC/UPC
Single Mode		2=1550nm		2:900um	2: 4×60	XB	SC/UPC
Standard Coupler		3=1310&1550		3:2.0mm	3:100*80*10	2:Other	FC/APC
IWBC:		4=1310&1490		4:3.0mm	5:Other		...
Single Mode Wide Band Single Window Coupler		&1550		5:Other			LC/UPC
IDWC:							
Single Mode Dual Window Coupler							
STWC:							
Single Mode Three Window Coupler							