

1x4 Monolithic Single Mode Coupler

Features	
Low excess loss & Low IL	
Mini Size	
High stability and reliability	
Application	
Optical communication systems	
FTTH	
Optical fiber sensor	

Specifications

Parameter \ Type	1x4 CP-S		1x4CP-W		1x4 CP-D		1x4 CP-T	
	Operating wavelength (nm)	1310, 1550,				1310/1550		1310/1490/1550
Operating bandwidth (nm)	±15		±40		±40		1310±40,1490±10 and 1550±40	
Grade	P	A	P	A	P	A	P	A
Typical excess loss (dB)	0.15	0.25	0.2	0.3	0.3	0.4	0.3	0.4
Insertion loss (dB)	≤7.0	≤7.4	≤7.1	≤7.4	≤7.2	≤7.5	≤7.2	≤7.5
PDL(dB)	≤0.2	≤0.25	≤0.2	≤0.25	≤0.25	≤0.3	≤0.25	≤0.3
Uniformity (dB)	≤1.0	≤1.4	≤1.2	≤1.6	≤1.4	≤1.8	≤1.4	≤1.8
Directivity (dB)	≥55							
Operating temperature (°C)	-40 ~ +85							

Package Information

Configuration	1x4	
Fiber length	1m, others on request	
Fiber Type	SMF-28e	
Pigtail type	250µm bare fiber	900µm loose tube
Dimensions(mm)	φ3.0×54 or φ3.0×35 0	φ4.0×75 & φ4.0×56

Ordering Information

CP	Wavelength	Grade	Port Type	Wavelength (nm)	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package	
S = Single mode standard coupler W =Wide band coupler D =Dual window coupler T =Three Window coupler M =Multimode fiber Coupler	532	P	1x2	532 633 780 850 980 1064 1310 1550 1310/1550 1260~1620	1/99	250=250um bare fiber	1=SMF-28e	1=	NE=None	3x54	
		A	2x2								2/98	2=50/125	1m	FA=FC/APC	3x40
	780	1x3	.....		3/97	900=900um loose tube	.....	3=62.5/12.5	X:other	FC=FC/UPC	....
	980	1x5	.....		50/50	2000=2mm loose tube	.....	X	5=Panda fiber	SC=SC/UPC	LC=LC/UPC
	1310	.....	.....		50/50	3000=3mm loose tube	.....	7=Others	7=Others	MU=MU/UPC	C
	1310/1550	.....	.....		50/50	1310/1550	.....	.....	.....	.....	.....
1260~1620	.....	.....	50/50	1260~1620	.....	.....	.....	.....	.....
									