

1x3 Monolithic Single Mode Coupler

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

Specifications

Parameter	Type		1x3 CP-S		1x3 CP-W		1x3 CP-D		1x3 CP-T	
	P	A	P	A	P	A	P	A	P	A
Operating wavelength (nm)	1310, 1550,				1310/1550		1310/1550		1310/1490/1550	
Operating bandwidth (nm)	±15		±40		±40		±40		1310±40, 1490±10 and 1550±40	
Grade	P	A	P	A	P	A	P	A	P	A
Typical excess loss (dB)	0.1	0.15	0.1	0.15	0.1	0.15	0.1	0.15	0.1	0.15
Insertion loss (dB)	≤5.4	≤5.7	≤5.6	≤6.0	≤5.8	≤6.2	≤5.8	≤6.2	≤5.8	≤6.2
PDL(dB)	≤0.2	≤0.25	≤0.2	≤0.25	≤0.25	≤0.3	≤0.25	≤0.3	≤0.25	≤0.3
Uniformity (dB)	≤0.8	≤1.2	≤1.0	≤1.4	≤1.2	≤1.5	≤1.2	≤1.5	≤1.2	≤1.5
Directivity (dB)	≥55									
Operating temperature (°C)	-40 ~ +85									

Package Information

Configuration	1x3	
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 or φ3.0×30	φ4.0×60

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	P	1x2	532	1/99	250=250um	1=SMF-28e	1=	NE=None	3x54
		A	2x2	633	2/98	bare fiber	2=50/125	1m	FA=FC/APC	3x40
			1x3	780	3/97	900=900um	3=62.5/12.5	X:other	FC=FC/UPC	....
			1x4	850	.....	loose tube	4=HI1060FLE		SA=SC/APC	
			1x5	980	50/50	2000=2mm	X		SC=SC/UPC	
			.....	1064		loose tube	5=Panda fiber		LC=LC/UPC	
				1310		3000=3mm	6=RC Fiber		LA=LC/APC	
				1550		loose tube	7=Others		MU=MU/UPC	
				1310/1550					XX=Others	
						1260~1620				