


Ultra Broadband Dual Window Single mode Coupler

Features	
Low excess loss & low IL & low PDL	
Ultra broadband operating High stability and reliability	
Application	
Optical communication systems CATV FTTH/PON	

Specifications

Parameter	Grade P	Grade A	
Operating wavelength (nm)	1310 /1550		
Operating bandwidth (nm)	±80		
Typical excess loss (dB)	0.07	0.10	
Insertion loss (dB)	50/50	≤3.8	≤4.0
	40/60	≤5.0/2.8	≤5.2/3.0
	30/70	≤6.4/2.0	≤6.7/2.2
	20/80	≤8.3/1.3	≤8.7/1.5
	10/90	≤11.5/0.7	≤12.0/0.8
	5/95	≤14.6/0.45	≤15.5/0.5
	2/98	≤18.8/0.3	≤19.5/0.4
PDL (dB)	≤0.15	≤0.20	
Directivity (dB)	≥55		
Operating temperature (°C)	40 ~ +85		

Remark: Insertion Loss around 1380nm(water peak) is not counted in the specifications above.

Package Information

Configuration	1x2 or 2x2		
Fiber length	1m, others on request		
Fiber Type	SMF-28e		
Pigtail type	250µm bare fiber	900µm loose tube	900µm/2mm/3mm loose tube
Dimensions(mm)	φ3.0×54 or φ3.0×40	φ3.0×54 φ3.0×56	90×14×8.5 or 90×16×9

Ordering Information

CP	Wavelength	Grade	Port Type	Wavelength (nm)	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package
	S = Single mode standard coupler	P	1x2	532	1/99	250=250um	1=SMF-28e	1= 1m	NE=None	3x54
		A	2x2	633	2/98	bare fiber	2=50/125	X:other	FA=FC/APC	3x40
	W =Wide band coupler		1x3	780	3/97	900=900um	3=62.5/12.5		FC=FC/UPC	....
			1x4	850	.....	loose tube	4=HI1060FL		SA=SC/APC	
	D =Dual window coupler		.....	980	50/50	2000=2mm	EX		SC=SC/UPC	
				1064		loose tube	5=Panda		LC=LC/UPC	
	T =Three Window coupler			1310		3000=3mm	fiber		LA=LC/APC	
				1550		loose tube	6=RC Fiber		MU=MU/UPC	
	M =Multimode fiber Coupler			1310/1550			7=Others		C	
				1260~1620					XX=Other	
PS =PM fused coupler										