


Multi-Mode Fiber Coupler

Features	
Low excess loss & low IL	
Broad Operating Band	
High stability and reliability	
Application	
Multi-mode fiber communication systems	
Testing instrument	
Optical fiber sensors	

Specifications

Grade		P	A
Parameter			
Operating wavelength (nm)		850 or 1310, 850/1310	
Operating bandwidth (nm)		±40	
Typical excess loss (dB)		0.4	0.7
Insertion loss (dB)	50/50	≤3.7/3.7	≤4.0/4.0
	40/60	≤4.7/2.7	≤5.0/3.0
	30/70	≤6.0/2.1	≤6.3/2.4
	20/80	≤7.8/1.4	≤8.1/1.7
	10/90	≤11.2/0.9	≤11.6/1.2
	5/95	≤14.5/0.7	≤15.0/1.0
	2/98	≤18.6/0.6	≤19.4/0.9
	1/99	≤22.0/0.5	≤22.8/0.8
Uniformity (50/50) (dB)		≤0.5	≤0.8
Directivity (dB)		≥40	
Operating temperature (°C)		-40 ~ +85	

Package Information

Configuration	1x2 or 2x2		
Fiber length	1m, others on request		
Fiber Type	50/125, 62.5/125, 105/125um, 200/220um, 200/240nm		
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=	NE=None	3x54	
		A	2x2	633	2/98	bare fiber	2=50/125	1m	FA=FC/APC	3x40	
	W =Wide band coupler		1x3	780	3/97	900=900um	3=62.5/12.5	X:other		FC=FC/UPC
			1x4	850	loose tube	4=HI1060FLE				
	D =Dual window coupler		1x5	980	50/50	2000=2mm	X			SA=SC/APC	
			1064		loose tube	5=Panda fiber				
	T =Three Window coupler				1310		3000=3mm			LA=LC/APC	
					1550		loose tube				
	M =Multimode fiber Coupler				1310/1550					MU=MU/UPC	C
					1260~1620						