


MM Fiber Fused Coupler

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

Specifications:

Parameter		Grade P	Grade A
Operating wavelength (nm)		1310+/-40;850+/-40;1310&850+/-40	
Typical excess loss (dB)		0.4	0.7
Insertion loss (dB)	50/50	≤3.7	≤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	

*Other Specifications can be made on customer request.

**Insertion Loss around 1380nm(water peak)is counted in the specifications above.

Package Information

Configuration	1x2 or 2x2		
Fiber length	1m, others on request		
Fiber Type	50/125MMF,62.5/125MMF,InfiniCorSX+50/125MMF(OM3),InfiniCor eSX+50/125MMF(OM4)		
Pigtail type	250μm bare fiber	900μm loose tube	900μm/2mm/3mm loose tube
Dimensions(φ×L)(mm)	φ3.0×L40 (E)or φ3.0×L54(D)orφ2.4×L42(N)	φ3.0×L54(D) φ3.0×L70(M)	L90×W14×H8.5(P5) L90×W20×H9.5(P7)

*** Other package dimensions can be made on customer request.

Ordering Information

FM MC	Wave length	Port Type	Coupling Ratio	Grade	Package	Fiber type	000	Pigtail Type	Length	Connector
	1=1310/850 Dual Window 3=1310 nm 8=850nm	1=1x2 2=2x2	1=1/99 2=2/98 3=3/97 5=5/95 A=10/90 B=20/80 C=30/70 D=40/60 E=50/50	P=P grade A=A grade	1=P1(ϕ 3.0×L40) 2=P2(ϕ 3.0×L54) 3=P3(ϕ 3.0×L70) 4=P4(ϕ 2.4×L42) 5=P5 (L90×W14×H8.5) 7=P7 (L90×W20×H9.5)	1=50/125 MMF 2=62.5/125MMF 3= InfiniCor SX+50/125MM F(OM3) 4= InfiniCor eSX+50/125MM F(OM4)	000	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube	H= 0.5m 8= 0.8m 1= 1m 5= 1.5m 2=2m A=0.3m B=0.6m C=1.2m	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/UPC 6=SC/APC