



# Multimode Fused Coupler

## FEATURES

- Low Insertion loss
- Wide Operating Wavelength
- Compact Size
- Excellent Environmental and Mechanical Stability

## APPLICATION

- Local Area Networks
- CATV Systems
- Subscriber Loop
- Fiberoptic Instruments
- Fiber Sensors

## PERFORMANCE SPECIFICATIONS

Parameter	Specifications							
Operating Wavelength	850nm or 1310nm or 1550nm							
Port Configurations	1x2/2x2	1x2/2x2	1x3	1x4	nx4 (n=2,4)	nx8 (n=1,2,8)	Nx16 (n=1,2,16)	
Grade	P	A	P	P	P	P	P	
Insertion Loss (50/125um)	≤ 3.5dB	≤ 3.7dB	≤ 6.0dB	≤ 7.2dB	≤ 7.2dB	≤ 10.5dB	≤ 14.0dB	
Insertion Loss (62.5/125um)	≤4.0dB	≤4.2dB	≤ 6.5dB	≤ 7.6dB	≤ 7.6dB	≤ 11.0dB	≤ 15.0dB	
Uniformity	≤ 0.60dB	≤ 0.80dB	≤ 1.2dB	≤ 1.2dB	≤ 1.5dB	≤ 2.0dB	≤ 2.5dB	
Directivity	≥ 35dB				≥ 40dB			
Operating Temperature	- 20 to +75°C ( - 40 to +85°C Available upon request)							
Storage Temperature	- 40 to +85°C							
Package Type	A, M and C		A and C	S and D		D	E	
Package Dimensions (LxWxH)	A= Standard, Φ3.0xL54 (60 for 900um), SS tube M=Compact, Φ3.0xL40, SS tube C=98x14x8.5 Case S=89x51x9.2 Case D=120x80x11.6 Case E=142x102x14.5 Case							

Note:

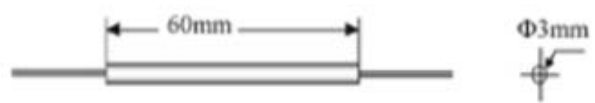
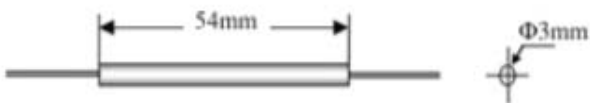
Measured under the stable mode condition with LED light source (CPR < 12).

All values referenced are without connector.

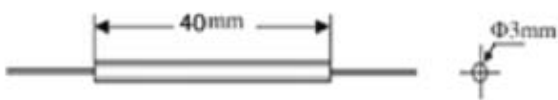
## Multimode Fused Coupler

### MECHANICAL DIMENSIONS

A Package



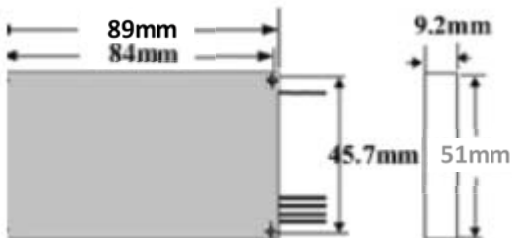
M Package



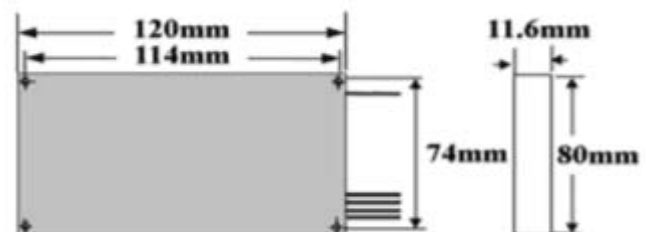
C Package



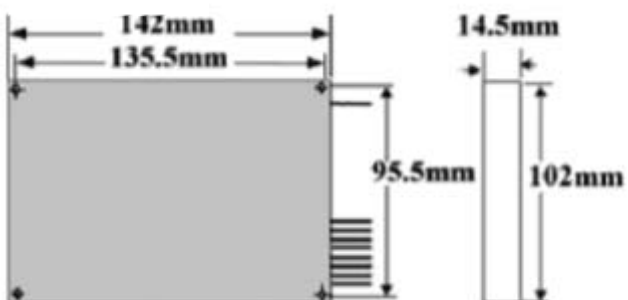
S Package



D Package

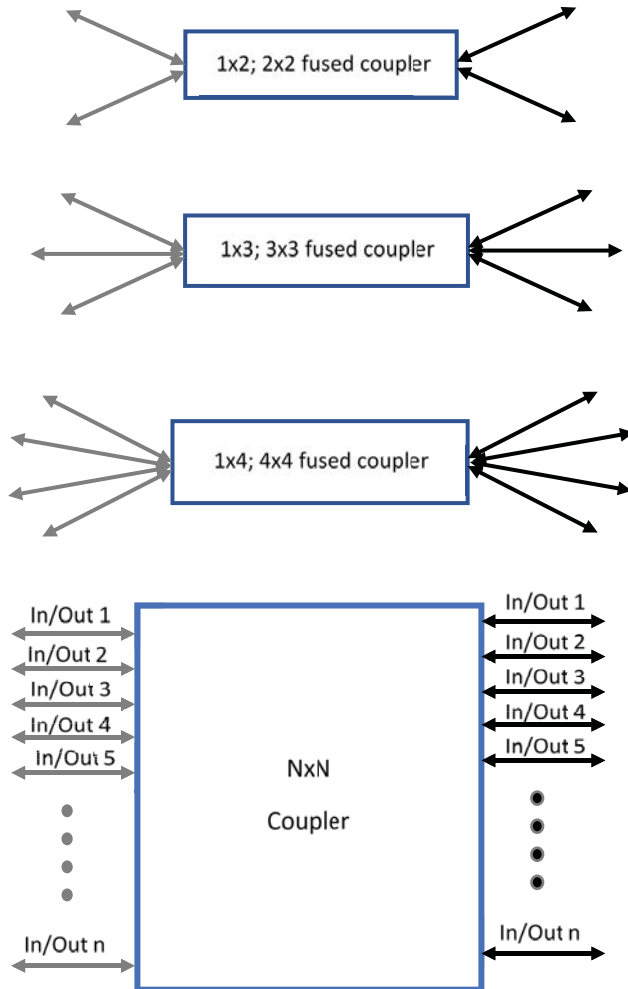


E Package



## Multimode Fused Coupler

### CHANNEL CONFIGURATIONS



### ORDERING INFORMATION

Type	Grade	Wavelength	Port	Package	Fiber Type	Pigtail Style	Fiber Length	In Connector	Out Connector
MMS=Standard	P=P grade	85=850nm	102=1x2	A=A package	A=50/125um	1=Bare fiber	05=0.5m	0= None	0= None
MMW=Wideband	A=A grade	31=1310nm 55=1550nm	202=2x2	M=M package	B=62.5/125um	2=900um	10=1.0m	1= FC/APC	1= FC/APC
			·	C=C package	·	loose tube	·	2= FC/PC	2= FC/PC
			·	S=S package	·	3=3mm jacket	·	3= SC/APC	3= SC/APC
			·	D=D package	·	4=2mm jacket	·	4= SC/PC	4= SC/PC
			1616=16x16	E=E package	·	5=1.6mm jacket	20=2.0m	5= ST	5= ST
								6= LC/UPC	6= LC/UPC
								7= LC/APC	7= LC/APC