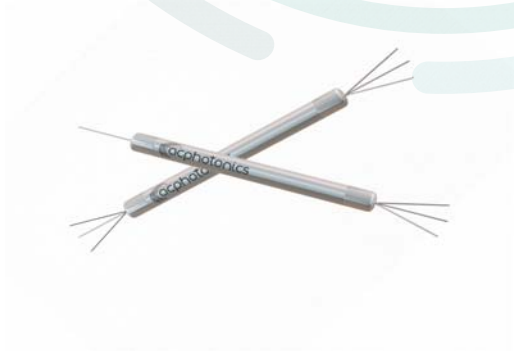


# 1x3 and 3x3 Single mode Fused Coupler



## FEATURES

- Low Excess Loss
- Single Fusion Design
- Uniform Power Splitting
- Compact Size

## APPLICATION

- Telecommunication Systems
- Digital, Hybrid and AM-Video System
- CATV Systems
- Fiber Sensors

## PERFORMANCE SPECIFICATIONS

Parameter	Specifications			
	Standard		Wideband	
Operating Wavelength	1310±10, 1480±10, 1550±10, 1585±10nm, or Custom		1310±40, 1550±40, 1585±40nm, or Custom	
Port Configurations	1x3/3x3	1x3/3x3	1x3/3x3	1x3/3x3
Grade	P	A	P	A
Insertion Loss (Max)	≤5.6/5.6dB	≤5.8/5.8dB	≤6.0/6.0dB	≤6.4/6.4dB
Excess loss (Max.)	≤0.15/0.15dB	≤0.30/0.30dB	≤0.20/0.20dB	≤0.40/0.40dB
Uniformity (Max.)	≤ 0.80/1.0dB	≤ 1.0/1.2dB	≤ 1.4/1.5dB	1.5/1.6dB
Polarization dependent loss	≤ 0.12/0.12dB	≤ 0.20/0.20dB	≤ 0.15/0.15dB	≤ 0.20/0.20dB
Directivity	≥ 50dB			
Operating Temperature	- 20 to +75°C ( - 40 to +85°C Available upon request)			
Storage Temperature	- 40 to +85°C			
Package Dimensions	A= Standard, Φ3.0xL54mm for 250um fiber, Φ3.0xL60 for 900um fiber Φ3.0xL60 for 900um fiber C=98x14x8.5 (2&3 mm fiber jacket); S=89x51x9.2 (2&3 mm fiber jacket)			

All values referenced are without connector.

## 1x3 and 3x3 Single mode Fused Coupler

### MECHANICAL DIMENSIONS

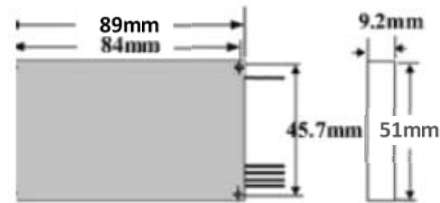
A Package



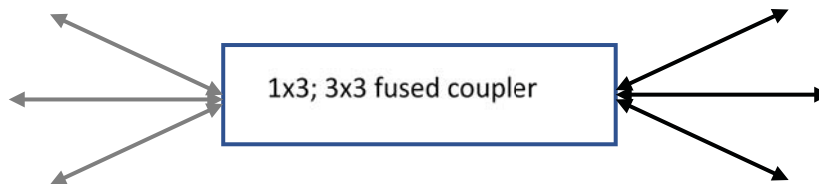
C Package



S Package



### PORT CONFIGURATIONS



### ORDERING INFORMATION

Type	Grade	Operating Wavelength	Port	Package	Fiber Type*	Pigtail Style	Fiber Length**	In Connector	Out Connector
S=Standard	P=P grade	31=1310nm	103=1x3	A= A package	2=SMF-28 Ultra	1=Bare fiber	05=0.5m	0= None	0= None
W=Wideband	A=A grade	48=1480nm	303=3x3	C=C package	(G.657.A1)	2=900um loose tube	10=1.0m	1= FC/APC	1= FC/APC
		55=1550nm		S=S package		3=3mm jacket	·	2= FC/PC	2= FC/PC
		58=1585nm				4=2mm jacket	·	3= SC/APC	3= SC/APC
		SS=Custom					20=2.0m	4= SC/PC	4= SC/PC
								5= ST	5= ST
								6= LC/UPC	6= LC/UPC
								7= LC/APC	7= LC/APC

\*1=SMF-28(G.652) is available upon request.

\*\*Other length is available upon request, However, 900µm loose tube is only up to 2m.