

## Multi-mode Fiber Coupler

### Features

- Low Excess Loss
- Various Coupling Ratio
- Compact Size

### Applications

- Long-haul Telecommunications
- CATV Systems & Fiberoptic Sensors
- Local Area Network



### Performance Specifications:

Parameter	Unit	Spec
Operating Wavelength	nm	850
Port Configuration	/	1 * 2
Coupling Ratio	%	40 / 60
Insertion Loss	dB	≤ 5.7 / 3.7
Directivity	dB	≥ 35
Excess Loss	dB	≤ 0.8
Operating temperature	°C	-20 ~ +70
Storage temperature	°C	-40 ~ +85
Fiber type	/	50/125 or 62.5/125 or by customer specify
Package Dimensions	mm	See table below

#### Note:

1. For 50/125 um, 62.5/125 um fiber operating is at 850nm.
2. Measured under the stable mode condition with LED light source.
3. All values referenced are without connectors. With connector, IL will be 0.3dB higher, RL 5dB lower.

## Package Dimensions:

Package A: 3mm x 54mm stainless steel tube	
Package B: 3mm x 60mm stainless steel tube	
Package C: 8.5mm x 14mm x 98mm case	
Package D: 11.6mm x 80mm x 120mm	
<h3>Pigtail Style:</h3>	
Package A:	250um bare fiber
Package B:	250um bare fiber or 900um loose tube
Package C, D:	3mm cable or 900um loose tube



## Ordering Information:

S-	Type	Grade	Wavelength	Coupling Ratio or Attenuation (dB)	Port	Package	Pigtail Style	Fiber Length	In/Out Connector
	□	□	□□		□□□□	□	□	□	□□
	↓	P=P Grade	85 = 850nm	40 = 40/60	0102=1x2 0202=2x2	↓	1=Bare Fiber 2=900um tube	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC S=Special
	M = Multimode Fiber Coupler					A= Package A B = Package B C = Package C D = Package D			

**For Example: S-M-P-85-40-0102-B-2-1-6S**