

Fiber Optic Splitter - Multimode Splitters

Features

- Low insertion loss
- Wide operating wavelength
- Compact size
- Excellent environmental & mechanical stability

Applications

- Local area networks
- CATV systems
- Subscriber loop
- Fiber optic instruments
- Fiber sensors

Specifications

Type	Multimode Standard Fiber Couplers
Coupling Ratio	50/50 %
Excess Loss (Typical)	0.5 (0.8)* dB
Max. Insertion Loss	3.5 (4.0)* dB
Uniformity (Max.)	0.6 dB
Directivity	>40 dB
Operating Wavelength	600 ~ 1600 nm
Central Wavelength	850 or 1310 or 1550nm
Operating Temperature	-40 ~ +85°C
Fiber Type	Corning Multimode 50/125, 62.5/125 Fiber
Fiber Pigtail Length	1 or Custom on Request m
Port Configuration	1x2 or 2x2
Package Dimension	Type A, Type B, Type C

For 50/125 um, 62.5/125 um Fiber, 50% coupling ratio

*Coupling Ratio/Insertion Loss Conversion Chart

Coupling ratio (%)	40/60	30/70	20/80	10/90	5/95	2/98	1/99
Insertion Loss	4.8/2.8	6.0/2.0	7.9/1.4	11.0/1.0	14.5/0.7	17.5/0.55	21.2/0.5

Type	Multimode 1 X3, 1 X4 True Fusion Couplers			
Port Configuration	1x3	1x4	n x 4 (n=1,2,4,)	n x 8 (n =1,2,8)
Max. Insertion loss	6.0 (6.5)* dB	7.2 (7.6)* dB	7.0/7.6* dB	10.5/11.0* dB
Uniformity (Max.)	1.2 dB	1.2 dB	1.5 dB	2.0 dB
Directivity	>40 dB			
Operating Wavelength	600 ~ 1600 nm			
Central Wavelength	850 or 1310		850 or 1310 or 1550	
Operating Temperature	-40 ~ +85°C		-20 ~ 70°C	
Fiber Type	Corning Multimode 50/125, 62.5/125, 100/140 Fiber			
Fiber Pigtail Length	1 or Custom on Request m			
Package Dimension	Type B, Type D		Type D, Type E	

For 50/125 um, 62.5/125 um Fiber

Package Dimensions

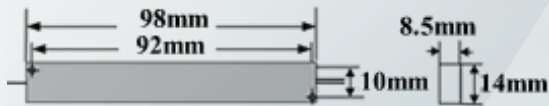
Type A



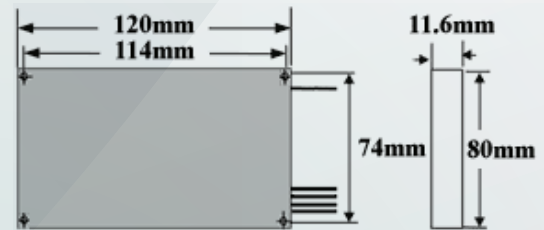
Type B



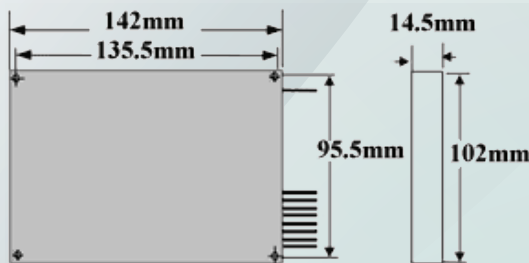
Type C



Type D



Type E



Pigtail Style

Type A

250um bare fiber

Type B

250um bare fiber or 900um loose tube

Type C ~ E

3mm cable or 900um loose tube

Ordering information

PN	Wavelength	Coupling Ratio (dB)	Port Type	Splitter Type	Pigtail Style	Fiber Type	In/Out Connector Type										
LMS	85 - 850nm 13 - 1310nm 15 - 1550nm	50 - 50/50 30 - 30/70 10 - 10/90 05 - 5/95 01 - 1/99 AV - Tree Coupler	0102 - 1x2 0202 - 2x2 ----- 3232 - 32x32	A - Type A B - Type B C - Type C D - Type D E - Type E	01 - Bare Fiber 02 - 900 μm 03 - 3mm Cable	02 - 50/125 μm 03 - 62.5/125 μm 04 - 100/140 μm	00 - No connector FU - FC/UPC FA - FC/APC CU - SC/UPC CA - SC/APC LU - LC/UPC LA - LC/APC										
L	M	S	1	5	0	1	0	1	0	2	A	0	2	0	4	L	U

* Ordering Code Example