



## Multimode Fiber Coupler



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### Overview

OPTOSTAR' Multimode Fiber Optic Coupler(MM FBT Coupler ) are fabricated from multimode fibers with core diameters of 50um ,62.5um or 100um. Standard multimode couplers are commonly used in short distance communications with LED sources operating at 1310nm or 850nm. Multimode couplers are wavelength independent over a broad range of wavelengths (600nm to 1610nm) with uniform modal power distribution launch condition, multimode tree/star couplers NX4(n=1,2,4) NX8(n=1,2,8) NX16(n=1,2,16) port ratios are available.

### Product Features

- Low Excess Loss
- Uniform Power Splitting
- Rugged Package
- Excellent Environmental & Mechanical Stability

### Technical Parameter

Parameter	Multimode Standard Fiber Couplers	
Coupling Ratio (%)	50/50	
Grade	P Grade	A Grade
Excess Loss (Typical) (dB)	0.7	1.0
Max.Insertion Loss (dB)	4.2	4.5
Uniformity (Max.)(dB)	0.6	0.8
Directivity(Min.)(dB)	35	
Operating Wavelength (nm)	800-1600	
Central Wavelength (nm)	850 or 1310 or 1550	
Operating Temperature(°C)	-20~+85	
Fiber Type	Corning multimode 50/125, 62.5/125	
Fiber Pigtail Length (m)	1 m or custom length	
Port Configuration	1x2 or 2x2	
Dimensions (mm)	Package D,E,G	

1、Above specifications are for devices without connector.

2、Specifications may change without notice.

**Application**

- Long-haul Telecommunications
- Digital, Hybrid and AM-Video Systems
- CATV Systems
- High Speed Local Area Networks
- Fiber Sensors

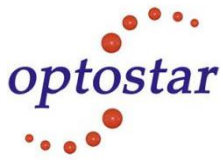
**Order Information**

Description
Multimode Fiber Coupler
<p><b>Note:</b></p> <p>Coupling Ratio: 50/50,30/70,10/90,5/95,1/99,Tree Coupler</p> <p>Package: D type,E type,G type</p> <p>Pigtail Style: Bare Fiber,900µm Jacket,2mm Cable,3mm Cable</p> <p>Fiber Type: 50/125um,62.5/125um,custom</p> <p>Connctor: None,FC/APC,FC/PC,SC/APC,SC/PC,ST,LC,Special</p> <p>Port: 1×2,2×2,1×3,3×3,1×4,4×4,1×5,5×5,1×6,6×6,1×7,7×7,1×8,8×8,1×9,9×9,  1×10,10×10,1×11,11×11,1×12,12×12,1×13,13×13,1×14,14×14,1×15,15×15,  1×16,16×16,32×32</p> <p>Wavelength: 850nm,1310nm,1550nm</p>

**Important Notice**

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