



## 1x2 (2x2) Multi-Mode Coupler (MMC)



### Overview:

Multimode fiber couplers (MMC) are used for multimode fiber LAN systems. LightComm builds these MMC with low insertion loss, high reliability.

### Features:

- \* Broad operating band
- \* Low excess loss
- \* High stability and reliability

### Applications:

- \* Multi-mode fiber communication systems
- \* LAN
- \* Testing instruments
- \* Optical fiber sensors

**Specification:**

Parameter		Grade	P	A
Operating wavelength (nm)			850 or 1310, others on request	
Operating bandwidth (nm)			±40	
Typical excess loss (dB)			0.4	0.7
Insertion loss (dB)	50/50		<3.7/3.7	<4.0/4.0
	40/60		<4.7/2.7	<5.0/3.0
	30/70		<6.0/2.1	<6.3/2.4
	20/80		<7.8/1.4	<8.1/1.7
	10/90		<11.2/0.9	<11.6/1.2
	5/95		<14.5/0.7	<15.0/1.0
	2/98		<18.6/0.6	<19.4/0.9
	1/99		<22.0/0.5	<22.8/0.8
Uniformity (50/50) (dB)			<0.5	<0.8
Directivity (dB)			>40	
Operating temperature (°C)			-40 ~ +85	
Fiber type (μm)			50/125 or 62.5/125 Multi-Mode	

\*Other specifications can be made on customer request.

**Package Information:**

Configuration	1×2 or 2×2		
Fiber lead length	1 meter, others on request		
Fiber type	250 μm bare fiber	900 μm loose tube	900 μm/2mm/ 3mm loose tube
Dimensions (φ×L)	φ 3.0mm×54mm	φ 3.0mm×70mm	90mm×14mm×8.5mm
	φ 2.4mm×30mm	φ 3.0mm×54mm	
	φ 2.4mm×42mm		

\*Other package dimensions can be made on customer request.

**Ordering Information:**

MMC-X-XXX-XXXX-XX/XX-X--X---XX/XXX--XX\*XX

