Multi-Mode Single Window Wideband Fiber Coupler (1x2, 2x2)

MMFC Series

Product Description

Oplink's single window, multi-mode wideband fiber couplers are highly stable for multi-port optical signal splitting. They have very good uniformity, low excess loss and very low polarization sensitivity. All devices are tested according to industry standard test procedures and are supplied with all pertinent measurement data.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module.

Performance Specification

MMFC Series	Premium	Grade A	Unit
Configuration	1x2 or 2x2		
Operating Wavelength	850, 1310, 1550, 850 & 1310, 1310 & 1550		nm
Insertion Loss *	< 4.0	< 4.5	dB
Uniformity (50/50)	< 0.4	< 0.8	dB
Typical Excess Loss **	< 1.0	< 1.0	dB
Temperature Sensitivity	< 0.002	< 0.002	dB/ °C
Directivity	> 40		dB
Maximum Power Handling	500		mW
Operating Temperature	-40 to +70		°C
Storage Temperature	-40 to +85		°C
Package Dimension ***	P1: 250µm multi-mode bare fiber	(ø)3.0 x (L)54	mm
	P2: 900µm loose tube	(ø)3.0 x (L)60	
	P3: 3mm cable	(L)96 x (W)12 x (H)6.4	

Values are referenced without connector loss.
** for 50/50 split ratio*
*** measured under the stable mode condition with LED light source.*
Oplink MMFC Series use (62.5/125 µm and 50/125 µm) multi-mode fiber.
****The mechanical tolerance should be +/-0.2 mm on all package dimensions unless otherwise custom specified.*

Features

- Low Excess Loss
- Good Uniformity
- Excellent Environmental Stability

Applications

- Data Link
- LAN
- Sensors

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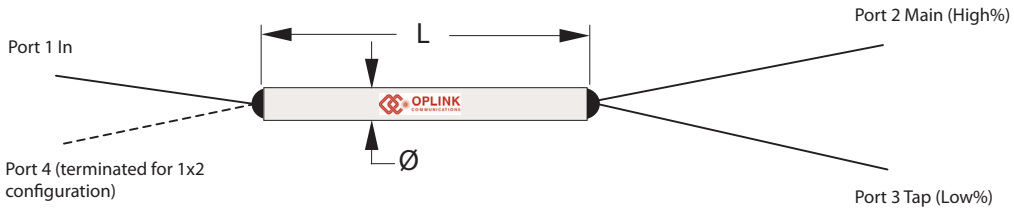
Mechanical Drawing / Package Dimensions (dimension in mm)



Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.

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Wavelength
850/1310 nm = 1
1310/1550 nm = 2
1310 nm = 3
1550 nm = 5
850 nm = 8

Type
1x2 = 1
2x2 = 2

Split Ratio
50/50 = 50

Grade
P Grade = P
A Grade = A

Package Type
P1=1
P2=2
P3=3

Fiber Type
62.5/125 fiber = 1
50/125 fiber = 2

Fiber Length
1 Meter= 1*
1.5 Meters= 5
2 Meters= 2

Connetor Type
None= 1
FC/PC= 2
FC/SPC= 3
FC/APC= 4
SC/PC= 5
SC/SPC= 6
SC/APC= 7
ST= 8
LC= 9
MU= A

46335 Landing Pkwy Fremont, CA 94538 Tel: (510) 933-7200 Fax: (510) 933-7300 Email: Sales@Oplink.com • www.oplink.com