

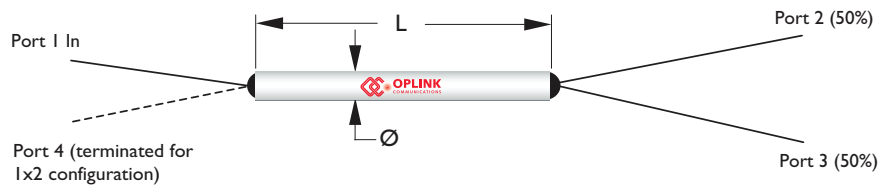
MULTI-MODE SINGLE WINDOW WIDEBAND FUSED FIBER COUPLER (1x2, 2x2)

MMFC Series

Product Description

Oplink's multi-mode single window wideband fused 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 or 850 & 1310		nm
Insertion Loss ^[1]	< 4.0	< 4.5	dB
Uniformity (50/50)	< 0.4	< 0.8	dB
Typical Excess Loss ^[2]	< 1.0	< 1.0	dB
Temperature Sensitivity	< 0.002	< 0.002	dB/ °C
Directivity	> 40		dB
Maximum Power Handling	500		mW
Operating Temperature ^[3]	-40 to +70		°C
Storage Temperature	-40 to +85		°C
Fiber Type	50/125µm or 62.5/125µm core multi-mode fiber		
Package Dimension	P1: 250µm multi-mode bare fiber	(Ø)3.0 x (L)47	mm
	P2: 900µm loose tube	(Ø)3.0 x (L)60	
	P3: 3mm cable	(L)96.0 x (W)12.0 x (H)6.4	

^[1] Values are referenced without connector loss.

^[2] measured under the stable mode condition with LED light source.

^[3] Operating temperature range changes to -5 to 70°C in P2, P3 package and all package with connectors.

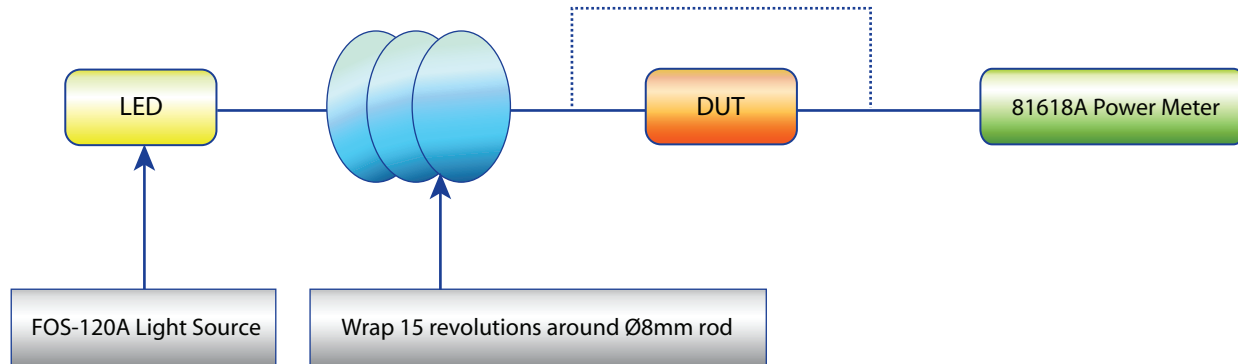
Features

- ◆ Low Excess Loss
- ◆ Good Uniformity
- ◆ Excellent Environmental Stability

Applications

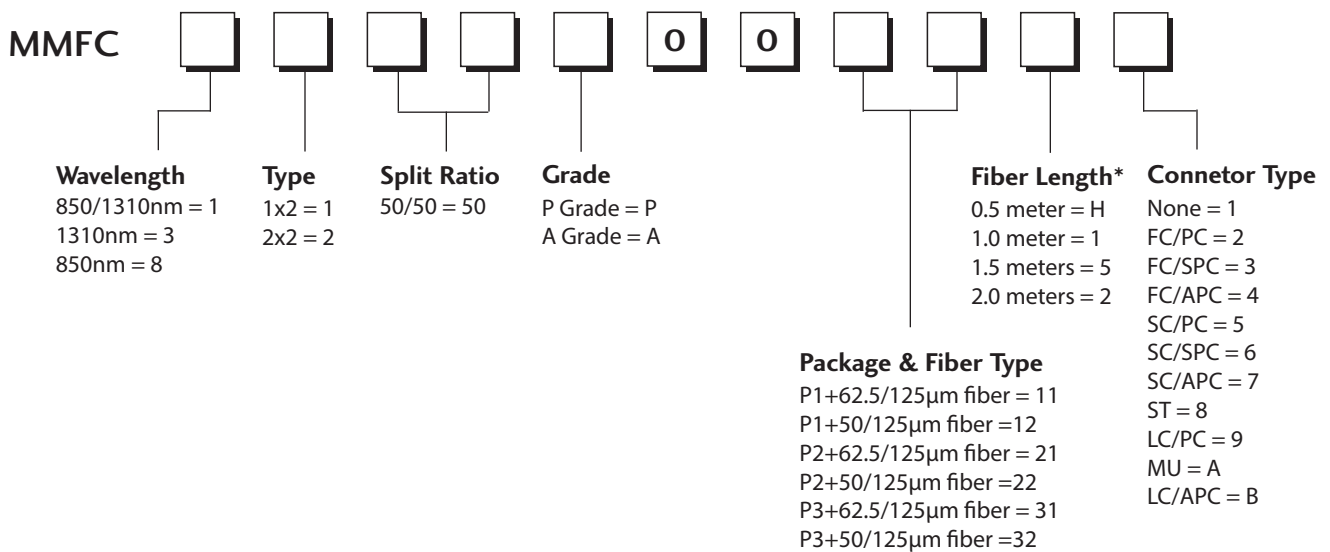
- ◆ Data Link
- ◆ LAN
- ◆ Sensors

Testing Method



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.



* The tolerance of fiber length is +/-0.1m. 1 meter is standard. The lead time for special fiber length will be longer.

Mouser Electronics

Authorized Distributor

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[MMFC8150P001211](#)