

MULTI-MODE WIDEBAND FIBER COUPLER (850NM OR 1310NM BAND)

Product Description

The HiPhotonics 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.

HiPhotonics can provide customized designs to meet specialized feature applications. Also, HiPhotonics 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		
Wavelength Range	850;1310;850&1310;1310&1550		nm
Fiber Type	62.5/125;50/125		
Insertion Loss	≤4.0	≤4.3	dB
Uniformity(50/50)	≤0.4	≤0.7	dB
Typical Excess Loss	≤1.0	≤1.0	dB
Temperature Sensitivity	≤0.002	≤0.002	dB
Directivity(Min)	>35		dB
Maximum Power Handling	500		nW
Operating Temperature Range	-40 ~ +75		℃
Storage Temperature Range	-40 ~ +85		℃
Package Dimensions	P1:250um bare fiber	∅ 3.0X 45	mm
	P2:900nm loose tube	∅ 3.0X 54	
	P3:3mm cable	L90xW20xH10	
Qualifications	Telcordia GR-1221		

Features :

Low Excess Loss
Good Uniformity
Excellent Environmental-Stability

Applications :

Data Link
LAN
Sensors

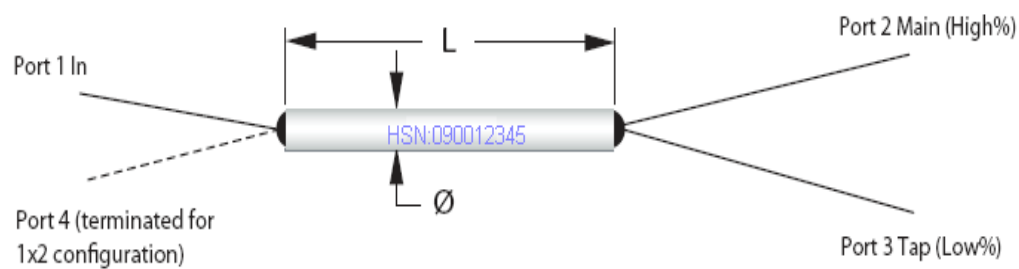
Values are referenced without connector loss.

for 50/50 split ratio

measured under the stable mode condition with LED light source

HiPhotonics MMfc Series use (62.5/125um or 50/125um) multi-mode fiber

The mechanical tolerance should be +/-0.2 mm on all package dimensions unless otherwise custom specified.



Order Information MMFC-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①Operating Wavelength

85=850nm

13=1310nm

15=1550nm

83=850/1310nm

85=850/1550nm

②②Port

12=1X2

22=2X2

③③Coupling Ratio

50=50/50

S=Special

④④Grade

P=P Grade

A=A Grade

⑤⑤Packaging Dimension

A=P1+250um bare fiber

B=P2+900um loose tube

C=P3+3mm cable

⑥⑥Fiber Length

A=0.5 Meter

B=1 Meter

C=1.5 Meter

D=2.0 Meter

S=Special

⑦⑦Connector Type

0=None

1=FC/UPC

2=FC/APC

3=SC/UPC

4=SC/APC

5=LC

S=Special