

MULTI-MODE SINGLE WINDOW WIDEBAND FIBER COUPLER (980NM OR 1310NM BAND)

Product Description

The HiPhotonics single-window wideband coupler split or combine light with exceptional performance over. 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 Ultra Hi-Rel family of optical components are available for your under-sea applications. Please contact us with your requirements

Performance Specification

MMFC Series	Premium	Grade A	Unit	
Coupling Ratio	1/99 to 50/50			
Wavelength Range	1270~1350/1510~1590/970~990		nm	
Uniformity(50/50)	≤0.50	≤0.80		
Insertion Loss	Split Ratio: 50/50	≤3.4	≤3.7	dB
	Split Ratio: 3/97	≤16.2/0.35	≤17.0/0.45	
	Split Ratio: 2/98	≤19.0/0.32	≤19.5/0.35	
	Split Ratio: 1/99	19.0~21.0/0.1~0.2	19.0~21.5/0.25	
Temperature Dependent loss	≤0.15	≤0.20	dB	
Polarization Dependent loss	≤0.10	≤0.13	dB	
Temperature Sensitivity	≤0.002	≤0.002	dB	
Directivity(Min)	>55		dB	
Maximum Power Handling	<500		nW	
Operating Temperature Range	-10 ~ +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

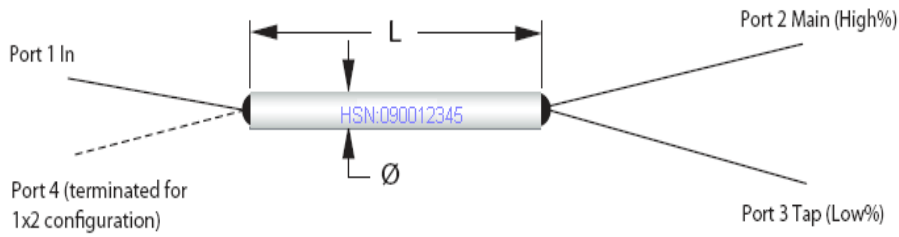
Applications :

- Data Link
- LAN
- Sensors

Note:

Values are referenced without connector loss.

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



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

①① Operating Wavelength

13=1310nm

CB=C band

LB=L band

②② Port

12=1X2

22=2X2

③③ Coupling Ratio

50=50/50

01=1/99

02=98/2

03=97/3

④④ Grade

P=P Grade

A=A Grade

⑤⑤ Packaging Dimension

A=P1+250um bare fiber

B=P2+900um loose tube

C=P3+3mm cable

⑥⑥ Fiber Length

A=0.5 Meter

B=1 Meter

C=1.5 Meter

D=2.0 Meter

S=Special

⑦⑦ Connector Type

0=None

1=FC/UPC

2=FC/APC

3=SC/UPC

4=SC/APC

5=LC

S=Special