

1060nm Filter Coupler Module

Features

- Bandwidth Wide
- Wavelength diversified
- Interference accuracy High

Application

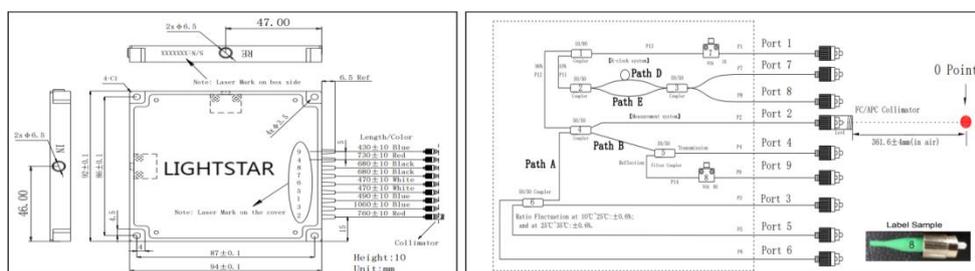
- Medical facility
- Test instrument

Specifications

Parameter	Unit	Value		
Central wavelength	nm	1060		
Bandwidth	nm	±40		
Maximum insertion loss(1→2),23℃	dB	5.5		
Maximum insertion loss(1→7&8),23℃	dB	16.5		
Maximum insertion loss(1→4&9),23℃	dB	9.5		
Maximum insertion loss(3→5&6),23℃	dB	4.0		
Maximum insertion loss(2→5&6),23℃	dB	7.7		
Return loss	dB	55		
Directivity	dB	45		
Collimator type	-	Thorlabs PN:F260APC-1064; Beam Diameter: Φ3.4mm		
Optical path	Path I	-	$P2 \times n \times 2 + L_{col} \times 2 + L_s \times 2 + Path A \times n + L_c \times 2,$ $L_{col} = \text{“Optical length(in air) of collimator”}, L_c = \text{“Optical length(in air) of coupler”}$	
	Path II	-		
	Free space (Ls)	mm		361.6±4 (in air)
	Optical path II - I	-		0
	Path X	-		(P11 + Path D + P7) x n + Lc x 2
	Path Y	-		P12 x n + Path II + P5 x n + Lc
	Optical path X-Y	mm		±100 (in air)=±68.5 (Fiber Length)
	Optical P5-P6	mm		±3 (Fiber Length)
Jig Test	K-clock system (Path D-PathE)	um/pixel	11.310~11.600	
	Noise Peak out of 0~512 pixels	-	No → OK ; Yes → NG	
	Max. Noise Level Fluctuation	dB	1.0	
	Max. PSF Width	um	78.150	
Wave rate 10℃~25℃ & 25℃~35℃ (Coupler 6), 3→5&6	-	±0.6%		
Fiber type	-	Hi 1060 fiber		
Operating temperature	℃	-5 to +70		
Storage temperature	℃	-40 to +85		
Package dimensions	mm	94*92*10 (Material for Package: Aluminium)		

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

FCM-①①①①-②-③-④-⑤

①①①①: Central wavelength
1060=1060nm
SSSS=Specify

②: Port configuration
9=9port

③: Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

④: Optical length
H=0.5m
1= 1.0m
S=Specify

⑤: Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify