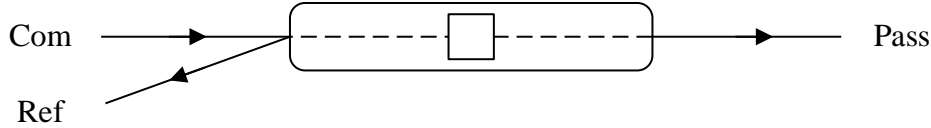


**Product: Standard Size CWDM or FWDM**

Part Number	Spec Number	Version	Date
DWDMXXXXXXXXXXXX	S013	Rev 01	07/14/2020

**1 Function Diagram**



**2 Specifications**

**2.1 Environment Conditions**

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
1.	Operating Temperature	C-Temp	Top	0	70	°C	
		I-Temp	Top	-40	85	°C	
2.	Storage Temperature	Tst	-40		85	°C	
3.	Operating Relative Humidity	RHop	5		95	%	[1]
4.	Storage Relative Humidity	RHst	5		95	%	[1]

**Note:**

[1] Not to exceed industrial standard of 0.024 kg water per kg of dry air under non-condensing conditions.

**2.2 Optical Specifications**

**2.1 Optical Specifications**

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
5.	Operating Wavelength	$\lambda_{op}$	1260 ~ 1620			nm	
6.	Center Wavelength	$\lambda_c$	ITU Grid			nm	
7.	Pass Bandwidth @0.5dB	CWDM BW	$\lambda_c \pm 6.5$			nm	
8.	Insertion Loss @C-Temp	Com → Pass	ILp		1.0	dB	
		Com → Ref	ILr		0.5		
9.	Insertion Loss @I-Temp	Com → Pass	ILp		1.2	dB	
		Com → Ref	ILr		0.6		
10.	Isolation	Pass-channel @Reflect Band	Iso	25		dB	
		Reflect-Channel @Pass Band		12			
11.	Polarization Dependent Loss	PDL			0.15	dB	
12.	Directivity	DIR	45			dB	
13.	Return Loss	RL	50			dB	
14.	Optical Power	Pop			500	mW	G

**Note:**

\*Above specifications are for device without connector. IL is 0.3 dB higher, RL is 5 dB lower after connector added.

G: Guaranteed by design.

## 2.2 Mechanical Specifications

### 2.2.1 Specifications

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
15.	Fiber Type			By PN			
16.	Fiber Length			By PN		m	
17.	Fiber Jacket			By PN			[2]
18.	Connector Type			By PN			
19.	Package Dimension			See drawing below		mm	
20.	Fiber Color	Com		Black			[3]
		Pass		Natural			
		Ref		Natural			

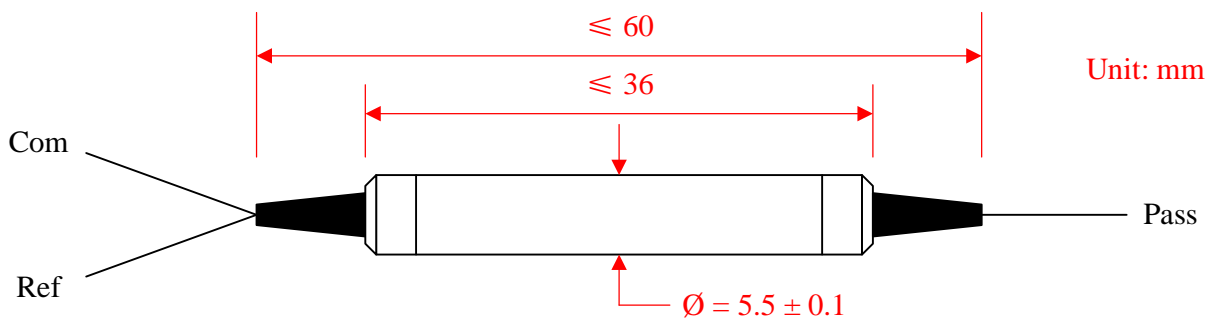
**Note:**

[2] Available in bare fiber or loose tube. Loose tube is only for steel tube packaging.

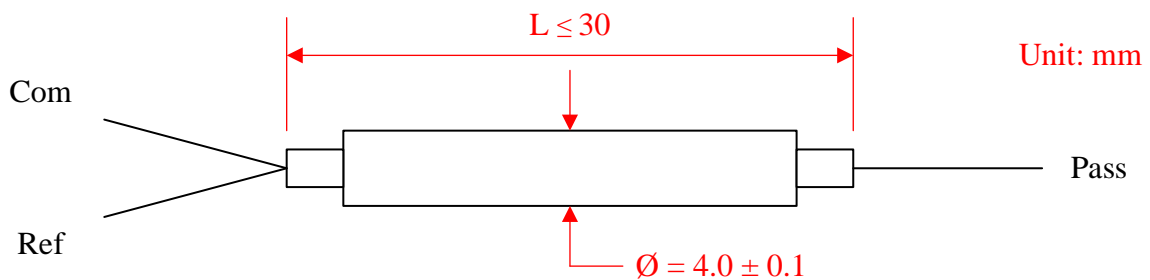
[3] Mark the bare fiber starting at 10~30cm away from the device body to fiber end.

### 2.2.2 Drawings

#### Steel Tube Packaging:



#### Glass Tube Packaging:



## 3 Device Label, Delivery Data

Triple-Stone standard format.

## 4 RoHS

RoHS compliant.

## 5 Ordering Information

