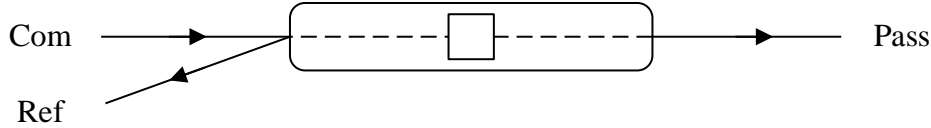


Product: Standard Size 100G/200G DWDM

Part Number	Spec Number	Version	Date
DWDMXXXXXXXXXXXX	S011	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	λ_{op}	1523 ~ 1574			nm	
6.	Channel Spacing	CS	100 / 200			GHz	
7.	Center Wavelength	λ_c	ITU Grid			nm	
8.	Passband Bandwidth @0.5dB	100GHz	BW	$\lambda_c \pm 0.11$		nm	
		200GHz	BW	$\lambda_c \pm 0.25$		nm	
9.	Insertion Loss @C-Temp	Com → Pass	ILp		1.0	dB	
		Com → Ref	ILr		0.5		
10.	Insertion Loss @I-Temp	Com → Pass	ILp		1.2	dB	
		Com → Ref	ILr		0.6		
11.	Isolation	Pass-channel @Adjacent Channel	Iso	25		dB	
		Pass-channel @Non-adjacent Channel		40			
		Reflect-Channel @Pass Band		12			
12.	Polarization Dependent Loss	PDL			0.15	dB	
13.	Directivity	DIR	45			dB	
14.	Return Loss	RL	50			dB	
15.	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
16.	Fiber Type			By PN			
17.	Fiber Length			By PN		m	
18.	Fiber Jacket			By PN			[2]
19.	Connector Type			By PN			
20.	Package Dimension			See drawing below		mm	
21.	Fiber Color	Com		Black			[3]
		Pass		Natural			
		Ref		Natural			

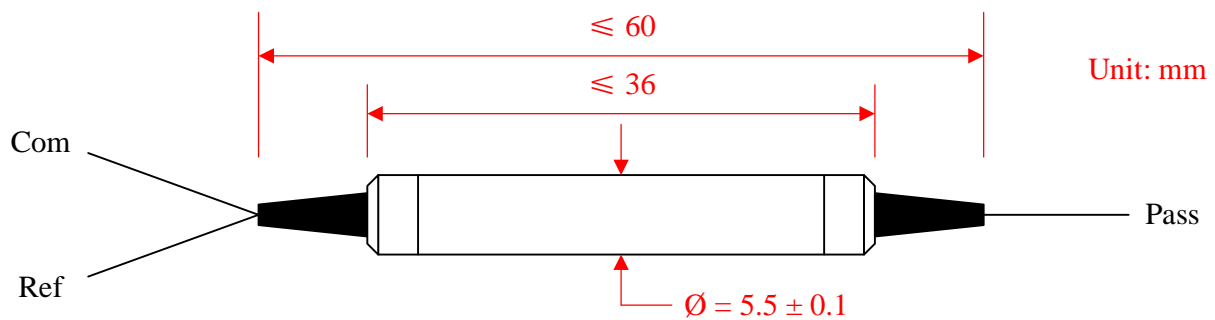
Note:

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

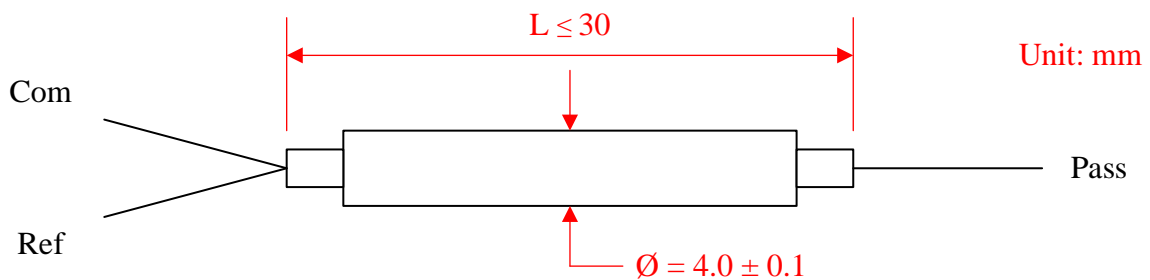
[3] Mark the bare fiber starting at 10~30cm away from the device body to fiber end.

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

