

CWDM Device Specs

The coarse wave divider (CWDM) is the use of optical multiplexer to multiplex the optical signal of different wavelengths to a single fiber for transmission, in the receiving end of the link, with the help of the optical solution multiplexer to break down the mixed signal in the fiber into different wavelengths of signal, connected to the corresponding receiving device. It can save fiber resources and network ingmon costs, and it solves the problems of fiber shortage and multi-service transparent transmission.



Features

- ❖ Low Insertion Loss
- ❖ Light Road is glue-free
- ❖ High isolation
- ❖ High stability and reliability

Application

- ❖ Wave division multiplexing system
- ❖ Metro network
- ❖ CATV system

Performance Specifications

Parameters	Specifications
Operating Wavelength(nm)	1270 ~ 1610/1271 ~ 1611
Channel Spacing(nm)	20
Operating Bandwidth(nm)	>13
Pass band Insertion Loss (dB)	≤0.6
Reflect band Insertion Loss(dB)	≤0.3
Ripple(dB)	≤0.3
Adjacent Isolation(dB)	≥30
Non-Adjacent Isolation(dB)	≥40
Reflect Isolation(dB)	≥15
Return Loss(dB)	≥45
Directivity(dB)	≥50
Max Optical Power(mW)	300
Operating Temperature(℃)	-40~+85
Storage Temperature(℃)	-40~+85

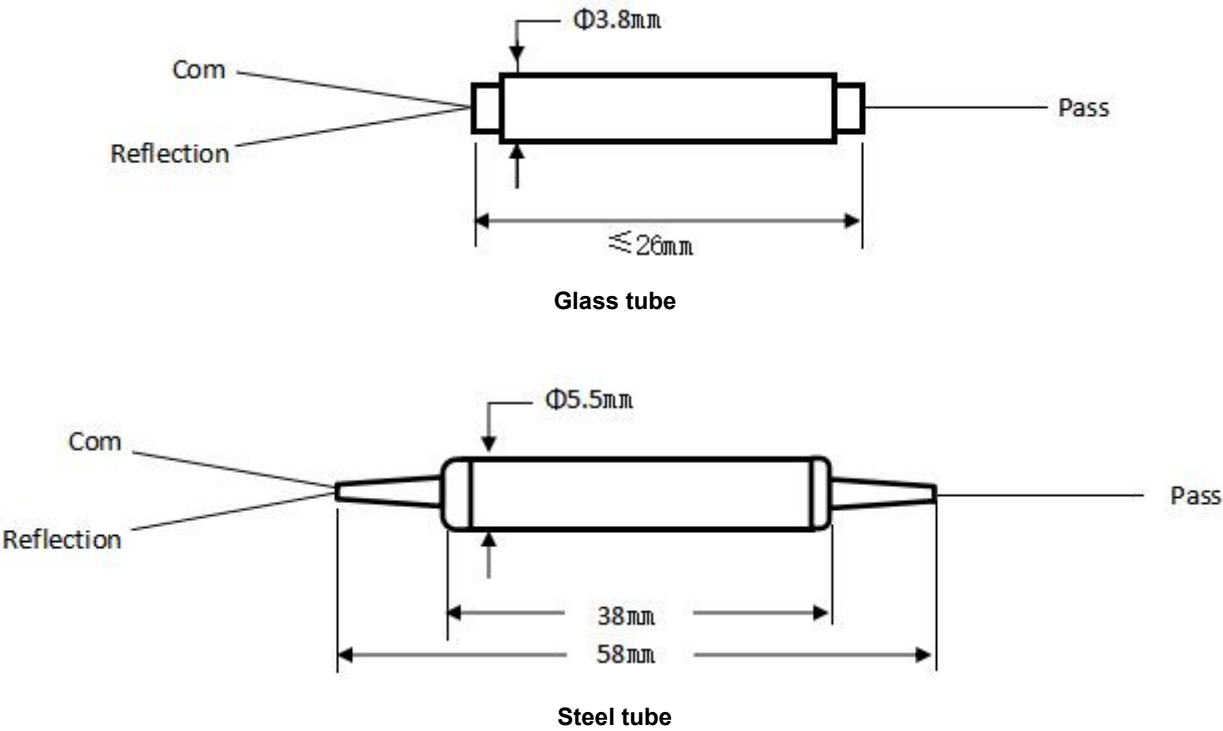
*Notes: 1.Insertion Loss tested without connector.

Package Information

Configuration	1x2	
Fiber Length	1m , or others on request	
Fiber Type	G657A /customize	
Pigtail Type	250um bare fiber	900um loose tube
Dimensinons(mm)	Glass tube:Ø3.8xL26	Steel tube:Ø5.5xL38

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Dimensions(Unit:mm)



Order information:

CWDM DevicePN: CWDM-XXXXXXXX-XX (CWDM+8 Code+2 Serial Number)

CWDM	X		XXX		X		X		X		X		XX
	Port		Center		Package Type		Fiber Jacket		Fiber Length		Connector		
	2	1×1	270	1270	1	Glass:3.8×26	0	250um Bare Fiber	0	0.5m	0	none	SN
	3	1×2	290	1290	2	Glass:3.2×26	1	0.9mm Loose Tube	1	1.0m	1	SC/UPC	
	4	2×2	...	...	3	Steel:5.5×34	M	MM Fiber	2	1.5m	2	SC/APC	
	6	2×4	590	1590	4	Steel:5.5×38	P	PM Fiber	3	2.0m	3	FC/UPC	
	S	Special	610	1610	5	Steel:3.8×34	S	Special	4	2.5m	4	FC/APC	
			271	1271					5	3.0m	5	LC/UPC	
			291	1291					6	3.5m	6	LC/APC	
			...	...					7	0.7m	7	ST/UPC	
			591	1591					8	1.2m	8	E2000	
			611	1611					9	2.7m	9	MPO	
									S	Special	S	Special	