

# Three-port Bare Channel Device

## Features:

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant
- RoHS Compliant

## Applications:

- CWDM/DWDM System
- Add/Drop System
- Laboratory R&D
- CATV System



## Specifications<sup>1, 2</sup>:

Parameter	Unit	CWDM <sup>3</sup>	100G	200G	
Central Wavelength (λ c)	nm	1470, 1490...1590, 1610	ITU Grid	ITU Grid	
Passband	nm	ITU+/-6.5	ITU+/-0.11	ITU+/-0.25	
Isolation	Adjacent Add/Drop Channel	Min.	30	28	30
	Non-adjacent Add/Drop Channel	Min.	40	40	40
	Express Channel	Min.	12	12	12
Insertion Loss	Add/Drop Channel	Max.	0.7	1.0	0.8
	Express Channel	Max.	0.4	0.4	0.4
Ripple in Passband	Max.	dB	0.3	0.5	0.3
Directivity	Min.	dB	50	45	50
Polarization Dependent Loss	Max.	dB	0.1	0.15	0.1
Polarization Mode Dispersion	Max.	ps	0.1	0.2	0.1
Return Loss	Min.	dB	45	45	45
Fiber Type	Corning SMF-28e				
Fiber Length	Min.	m	1.0		
Power Handling	Max.	mW	500		
Operating Temperature	°C		0~70		
Storage Temperature	°C		-40~85		
Package Dimension	mm		S: (F)5.5´(L)32 for 250mm fiber		
			S: (F)5.5´(L)39 for 900mm fiber		
			M: (F)3.6´(L)34 for 250mm fiber		

1. All specifications include the effect of operating temperature and all status of polarization.

2. Values referenced without connectors.

3. Central wavelength like 1471, 1491...1591, 1611 is available upon request.

**Dimension:**

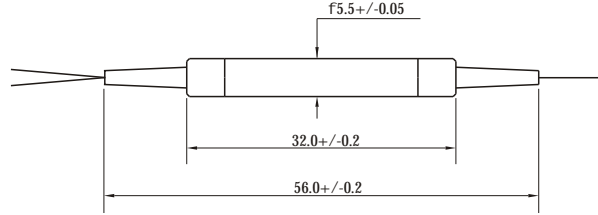


Figure 1. Package for 250mm fiber standard size

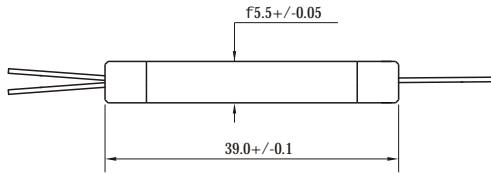


Figure 2. Package for 900mm fiber standard size

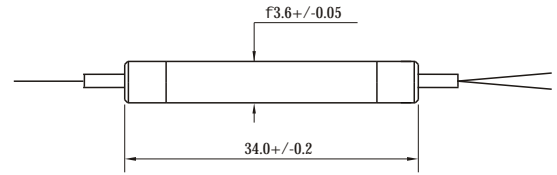


Figure 3. Package for 250mm fiber miniature size

**Order Information:**

XXXX - XXX - XX - XXXX - XXXX - XX  
 A      B      C      D      E      F

A	Type	CWDM	CWDM
		KOAD	100G 200G
B	Channel Spacing	020=CWDM	
		100=100G 200=200G	
C	Grade	AS=Grade <sup>2</sup> A <sup>2</sup> , standard size	AM=Grade <sup>2</sup> A <sup>2</sup> , miniature size
		SS=Custom, standard size	SM=Custom, miniature size
D	ITU Channel	CWDM	100G & 200G
		1470=Central wavelength 1470nm	CH21=21st channel
		⋮	⋮
		1610=Central wavelength 1610nm	CH65=65th channel
E	Fiber Type	250S=250mm bare fiber	
		900L=900mm loose tube	
		900T=900mm tight buffer	
F	Connector	NN=W/O connector	
		XY=With connector <sup>1</sup>	

1. Please specify type of connector as below when ordering.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		