

# Three-port Bare Channel Device (High Isolation)

## Features:

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

## Applications:

- CWDM Systems
- Laboratory R&D
- CATV System



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

Parameter	Unit	Grade "A"	
Pass band ( $\lambda_c$ )	nm	1550+/-40 1310+/-40	
Passband	Min. nm	1310+/-40 1550+/-40	
Isolation	Pass Channel	Min. dB	45
	Reflect Channel	Min. dB	45
Insertion Loss	Pass Channel	Max. dB	1.00
	Reflect Channel	Max. dB	1.00
Directivity	Min. dB	60	
Polarization Dependent Loss	Max. dB	0.25	
Polarization Mode Dispersion	Max. ps	0.20(DG)	
Return Loss	Min. dB	50	
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	( $\phi$ )5.5 x (L)35 for 250 $\mu$ m fiber	
		( $\phi$ )5.5 x (L)39 for 900 $\mu$ m fiber	

1. All specifications include the effect of operating temperature and all status of polarization..
2. Values referenced without connectors.

**Dimension:**

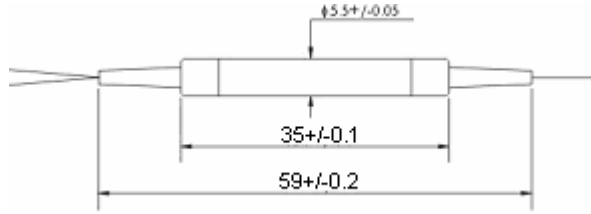


Figure 1. Package A for 250 μm fiber

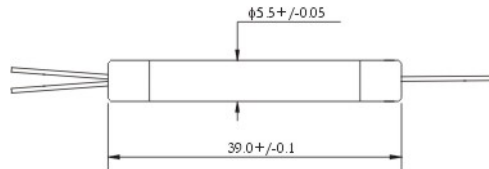


Figure 2. Package B for 900 μm fiber

**Order Information:**

**EWDM - HI - XXXXXXXXXX - XXXX - XX**

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|
|  
**A**
**B**
**C**

A	Wavelength Band	1310/1550=1310 nm pass, 1550 nm reflect
		1550/1310=1550 nm pass, 1310 nm reflect
B	Fiber Type	250S=250 μm bare fiber
		900L=900 μm loose tube
		900LT=900 μm tight buffer
C	Connector	NN=W/O connector
		XY=With connector <sup>1</sup>

1. Please specify type of connector 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		