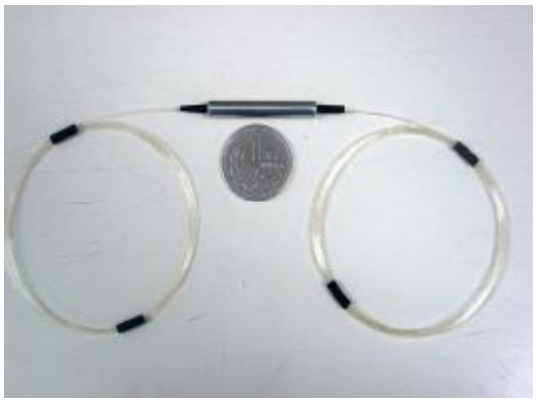
PM Fiber Isolator

Features:

- High isolation
- Low insertion loss
- High return loss
- Low polarization sensitivity
- Optical path epoxy free



Applications:

- Fiberoptic amplifiers
- CATV fiberoptic links
- Fiberoptic systems testing
- Fiberoptic LAN systems
- Telecommunications

Specifications: (Standard) Single stage

Parameter		Premium	A Grade
Operating Wavelength (nm)		1310 or 1550	
Typical Peak Isolation (dB)		42	40
Minimum Isolation * (dB)		≥32	≥30
Typical Insertion Loss** (dB)		≤0.6	≤0.7
Maximum Insertion Loss*** (dB)		≤0.8	≤0.9
Return loss (In/Out) (dB)		≥60	≥55
Min. Extinction Ratio(at 23° C)(dB)		≥20	≥18
Working Mode	S Type	Can only work in slow axis	
	F Type	Can both work in slow and fast axis	
Bandwidth (nm)		±15	
Operating Temperature (° C)		-5 ~ + 70	
Storage Temperature (° C)		-40 ~ +85	
Fiber Type		400um or 250um PM Fiber	
Fiber Length (Min.)		1 Meter Each End	
Package Dimension (mm)		5.5x32	
Power Handling (mW)		300	

Note: 1. * At 23° C over bandwidth

2. ** Does not include connector, splice and fiber-end fresnel losses
3. ***, center wavelength ± 15 nm, -5 to ± 70° C
4 For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Specifications: (Standard) Dual stage

Parameter		Premium	A Grade
Operating Wavelength (nm)		1310 or 1550	
Typical Peak Isolation (dB)		55	50
Minimum Isolation * (dB)		≥45	≥44
Typical Insertion Loss** (dB)		≤0.75	≤0.8
Maximum Insertion Loss*** (dB)		≤0.9	≤1.0
Return loss (In/Out) (dB)		≥60	≥55
Min. Extinction Ratio(at 23° C)(dB)		≥18	≥16
Working Mode	S Type	Can only work in slow axis	
	F Type	Can both work in slow and fast axis	
Bandwidth (nm)		±30	
Operating Temperature (° C)		-5 ~ + 70	
Storage Temperature (° C)		-40 ~ +85	
Fiber Type		400um or 250um PM Fiber	
Fiber Length (Min.)		1 Meter Each End	
Package Dimension (mm)		5.5x32	
Power Handling (mW)		300	

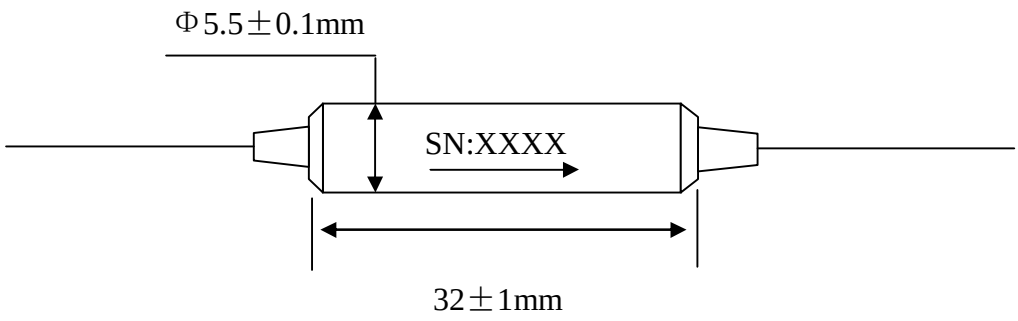
Note: 1. * At 23° C over bandwidth

2. ** Does not include connector, splice and fiber-end fresnel losses

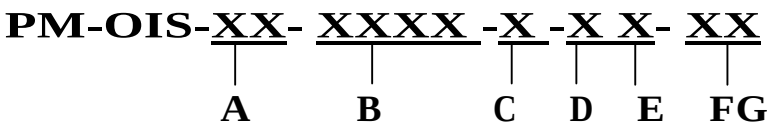
3. *** Including PDL, center wavelength ± 30 nm, -5 to ± 70° C

4 For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Dimension:(mm)



Ordering Information:



A	Type	**IS=Single stage**
		IU=Dual stage
B	Wavelength	13=1310nm
		14=1480nm
		15=1550nm
		LB=L Band
		XX= Customer
C	Grade	P= Grade “P”
		A= Grade “A”
D	Pigtail Style	1=250um Bare Fiber
		2=900um Jacket
		3=3mm Cable
E	Fiber Length	1=1.0m
		2=1.5m
		3=2.0m
		4=Customer Length
FG	In/Out Connector	0=None
		1=FC/APC
		2=FC/PC
		3=SC/APC
		4=SC/PC
		5=ST
		6=LC