

## 750-810nm Polarization Maintaining Isolator

### FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

### APPLICATIONS

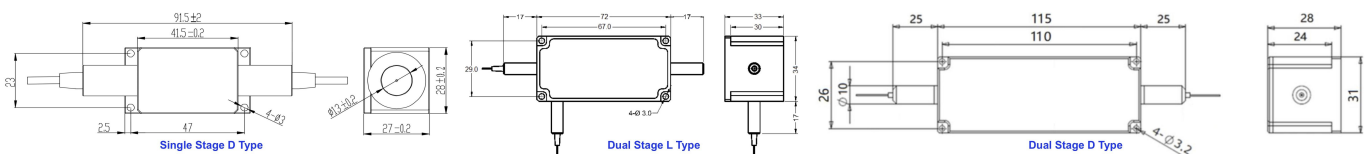
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

### SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage D Type	Dual Stage L Type
Center Wavelength ( $\lambda_c$ )	nm	750, 780, 793, 808		
Working Wavelength	nm	+/-10		
Peak Isolation (Typ.)	dB	25	45	
Isolation (23°C)	dB	≥20	≥40	
Insertion Loss (Typ, $\lambda_c$ , 23°C)	dB	0.9	1.1	1.3
Insertion Loss (Max, 23°C)	dB	1.5	1.8	
Optical Return Loss (Input/Output)	dB	45/45		
Extinction Ratio	dB	≥18		
Working Mode	F Type	-	Both Slow and Fast Axis Working	
	S Type	-	Can only work in slow axis	
Fiber Type	-	PM850 Panda Fiber or PM780-HP Fiber		
Fiber Tensile Load	N	5		
Maximum Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - Devices for higher optical power or with other type fiber or consigned fiber are also available.
  - Package dimensions may be different for different optical power and fiber type.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

FPIS-NNN	(C)	C	-HP NN	- N	C	NN	-	CC/CCC
Center Wavelength	Stage	Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
750-750nm	D=D Type	S= S Type	03=300mW	2= PM850 Fiber	B=Bare Fiber	05=0.5m	N=Without Connector	
780-780nm	L=L Type	F= F Type	2=2W	7= PM780HP Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
793-793nm	Blank for Single		5=5W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
808- 808nm			20=20W		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	