

## 780-810nm Polarization Maintaining Isolator

### FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

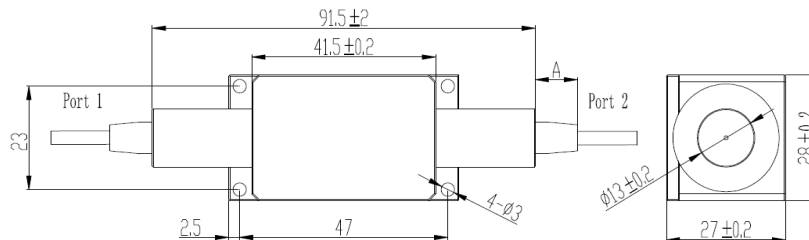
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

### SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	780nm 793, 808
Working Wavelength	nm	+/-5
Peak Isolation (Typ.)	dB	25
Isolation (23°C)	dB	$\geq 18$
Insertion Loss (Typ, $\lambda_c$ , 23°C)	dB	1.6
Insertion Loss (Max, 23°C)	dB	2.0
Optical Return Loss (Input/Output)	dB	50/50
Extinction Ratio	dB	$\geq 18$
Working Mode	F Type	-
	S Type	-
		Both Slow and Fast Axis Working
		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
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

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

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

FPIS-	NNN	-	C	-HP NN	-	N	C	NN	-	CC/CCC
	Center Wavelength		Type	Optical Power		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
	780-780nm		S= S Type	03=300mW		2= PM850 Fiber	8= Bare Fiber	05=0.5m		N=Without Connector
	793-793nm		F= F Type	2=2W		7= PM780HP Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
	808-808nm			5=5W			2=2mm Cable	15=1.5m		LC/PC=LC/PC Connector
				10=10W			3=3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector