830-850nm 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 (λc)		nm	830, 850
Working Wavelength		nm	+/-10
Peak Isolation (Typ.)		dB	28
Isolation (23°C)		dB	≥23
Insertion Loss (Typ, λc, 23°C)		dB	1.0
Insertion Loss (Max, 23°C)		dB	1.6
Optical Return Loss (Input/Output)		dB	50/50
Extinction Ratio		dB	≥20
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
Operating Temperature		°C	0~50
Storage Temperature		°C	-20~75

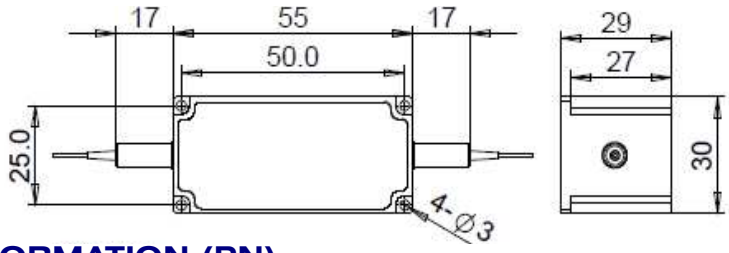
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

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
830=830nm	S= S Type	03=300mW	2= PM850 Fiber	B=Bare Fiber	05=0.5m	N=Without Connector
850= 850nm	F= F Type	2=2W	7= PM780HP Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		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