

830-850nm Polarization Maintaining Isolator

FEATURES

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

APPLICATIONS

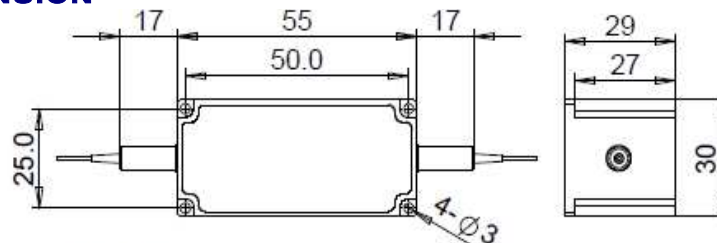
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	830, 850	
Working Wavelength	nm	+/-10	
Peak Isolation (Typ.)	dB	28	
Isolation (23°C)	dB	≥ 23	
Insertion Loss (Typ, λ_c , 23°C)	dB	1.0	
Insertion Loss (Max, 23°C)	dB	1.6	
Optical Return Loss (Input/Output)	dB	50/50	
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:**
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
<i>Center Wavelength</i>		<i>Type</i>	<i>Optical Power</i>		<i>Fiber Type</i>		<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
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
			20-20W				3-3mm Cable	20-2.0m		SC/UPC=SC/UPC Connector