

## 830-850nm PM Isolator for Pulse Power

### FEATURES

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

### APPLICATIONS

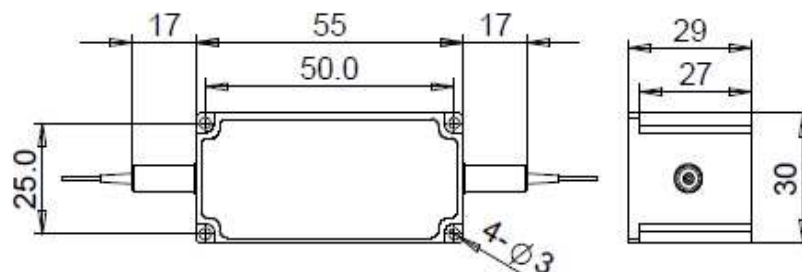
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength ( $\lambda_c$ )	nm	830, 850	
Working Wavelength	nm	+/-10	
Peak Isolation (Typ.)	dB	28	
Isolation (23°C)	dB	$\geq 23$	
Insertion Loss (Typ, $\lambda_c$ , 23°C)	dB	1.0	
Insertion Loss (Max, 23°C)	dB	1.6	
Optical Return Loss (Input/Output)	dB	50/50	
Extinction Ratio	dB	$\geq 18$	
Working Mode	F Type	-	Both Slow and Fast Axis Working
	S Type	-	Can only work in slow axis
Fiber Type	-	PM850 Fiber or PM780-HP Fiber	
Fiber Tensile Load	N	5	
Maximum Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for Pulse	kW	0.1, 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- <b>NN</b>	-	<b>C</b>	-H	<b>NN</b>	<b>P</b>	<b>NN</b>	-	<b>C</b>	<b>C</b>	<b>NN</b>	-	<b>CC/CCC</b>
Center Wavelength	Type	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type					
830-830nm	S- S Type	03-300mW	01-100W	2- PM850 Fiber	B=Bare Fiber	05-0.5m	N=Without Connector					
850- 850nm	F- F Type	1- 1W	1- 1kW	7-PM780HP Fiber	L=Loose Tube	10-1.0m	FC/APC=FC/APC Connector					
		5- 5W	5- 5kW	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector						
		10-10W	10-10kW	3-3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector						