

## 830-850nm Polarization Insensitive Isolator

### FEATURES

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

### APPLICATIONS

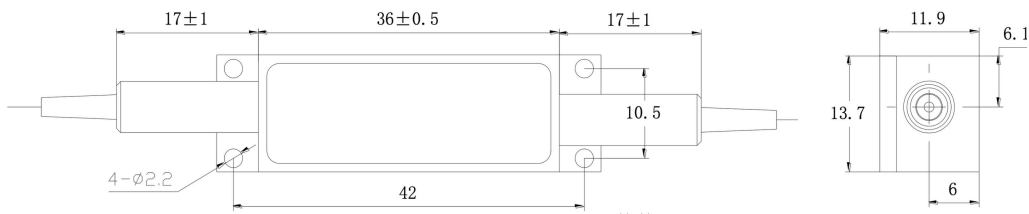
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

### SPECIFICATIONS

Parameter	Unit	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
PDL	dB	$\leq 0.15$
Fiber Type	-	HI780 Fiber or 780-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.
  - 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, fiber type and configuration.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

FISO- <b>NNN</b>	-HP <b>NN</b>	- <b>(C)</b>	<b>C</b>	<b>NN</b>	- <b>CC/CCC</b>
Center Wavelength	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
830-830nm	03-300mW	7-780HP Fiber	B=Bare Fiber	05-0.5m	N=Without Connector
850-850nm	2-2W	Blank for HI780 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