

830-850nm Polarization Insensitive Isolator

FEATURES

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

APPLICATIONS

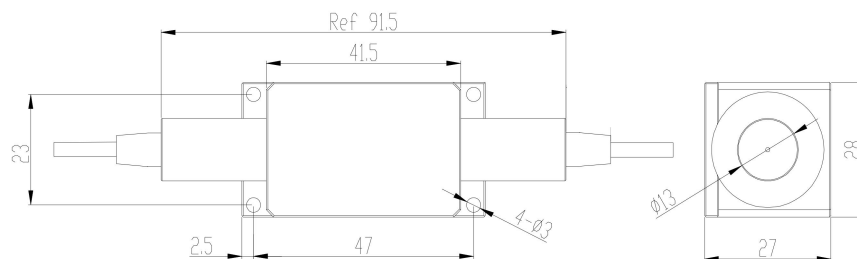
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength (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
PDL	dB	≤ 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:**
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.
 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.
 5. Package dimensions may be different for different optical power, fiber type and configuration.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FISO- NNN	- HP	NN	- (C)	C	NN	- CC/CCC
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	