

# 1064nm MiniSize High Power Isolator

## FEATURES

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

## APPLICATIONS

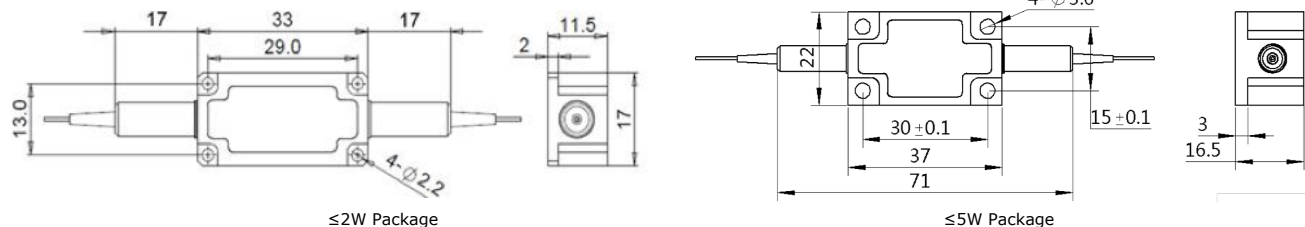
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

## SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength ( $\lambda_c$ )	nm	1064	
Peak Isolation (Typ.)	dB	35	
Isolation ( $\lambda_c$ , 23°C)	dB	≥28	
Insertion Loss ( $\lambda_c$ , 23°C)	dB	≤2.5	≤3.0
Optical Return Loss (Input/Output)	dB	≥50	
Max. Polarization Dependent Loss	dB	0.20	
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	0.5, 1	2, 3, 4, 5
Max. Backward Optical Power	W	0.3, 0.5, 1, 2	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

## PACKAGE DIMENSION



## ORDERING INFORMATION (PN)

FISO - NNNN	- C	-HP NN	- (NN)	- (C)	C	NN	-CC/CCC
Center Wavelength	Type	Optical Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1064=1064nm	M= Minisize	05=500mW	05=500mW	E=10/125um SC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
		1=1W	1=1W	Q=20/130um DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		2=2W	2=2W	R=25/250um DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		5=5W	Blank for 300mW	Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector