

# 1064nm MiniSize High Power PM Isolator for Pulse Power

## FEATURES

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

## APPLICATIONS

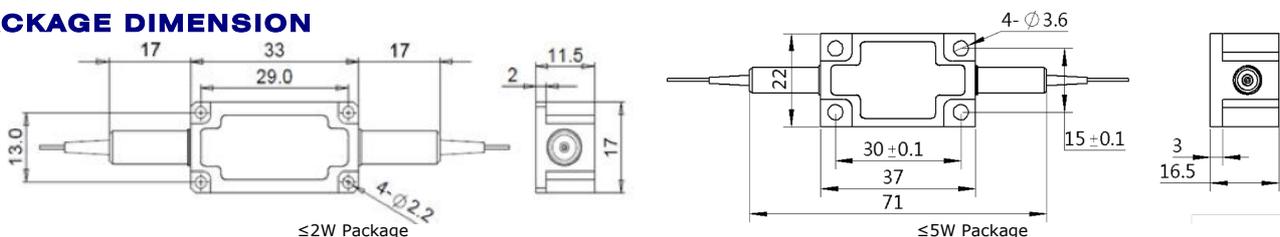
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

## SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength ( $\lambda_c$ )	nm	1064	
Peak Isolation (Typ.)	dB	35	
Isolation ( $\lambda_c$ , 23°C)	dB	$\geq 28$	
Insertion Loss ( $\lambda_c$ , 23°C)	dB	$\leq 2.5$	$\leq 3.0$
Optical Return Loss (Input/Output)	dB	$\geq 50$	
Extinction Ratio	dB	$\geq 18$	
Working Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Fiber Type	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)	
	-	10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)	
	-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.5, 1	2, 3, 4, 5
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Max. Backward Average Power	W	0.3, 0.5, 1, 2	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - 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; 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)

FPIS-NNNN	- C	C	-H	NN	P NN	-(NN)	- C	C	NN	-CC/CCC
Center Wavelength	Type	Work Mode	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1064-1064nm	M= Minisize	S= S Type	05=500mW	01=100W	05=500mW	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
		F= F Type	1=1W	1= 1kW	1=1W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
			2=2W	5=5kW	2=2W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
			5=5W	10=10kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	