

2000nm High Power PM Inline Optical Isolator

FEATURES

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

APPLICATIONS

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

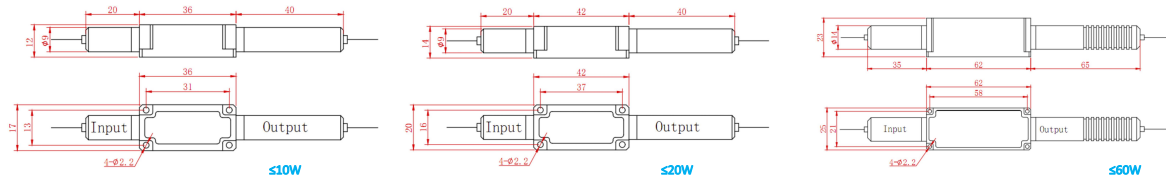


SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Center Wavelength (λ_c)	nm	2000		
Isolation ($\lambda_c \pm 20\text{nm}$, 23°C)	dB	≥ 20	≥ 35	≥ 25
Insertion Loss ($\lambda_c \pm 20\text{nm}$, 23°C)	dB	≤ 1.3	≤ 1.6	≤ 1.6
Optical Return Loss (Input/Output)	dB	50/45	50/45	50/45
Extinction Ratio	dB	≥ 18		
Working Mode	S Type	-	Can only work in Slow Axis	
	F Type	-	Can work both in Slow Axis and Fast Axis	
Fiber Type	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)		
Fiber Tensile Load	N	5		
Maximum Optical Power (CW)	W	1, 2	3, 5, 10, 15, 20, 30, 40, 50, 60	
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		
Package	Stainless Steel Tube (SST)	mm	$\Phi 5.5 \times L35$	See Drawing
Dimension	Metal Box-M	mm	$L120 \times W12 \times H10$	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB 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 size may be different for different power and fiber type.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FPIS-NNNN	- C	C	-HPNN	-(C)	C	C	NN	- CC/CCC
Center Wavelength	Stage	Type	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2000-2000nm	S= Single Stage	S= S Type	1-1W	M= Metal Box	2= PM1550 Fiber	B= Bare fiber	05-0.5m	N= Without Connector
	D= Dual Stage	F= F Type	5-5W	Blank for SST	V= PM1950 Fiber	L= Loose Tube	10-1.0m	FC/APC= FC/APC Connector
	H= H Stage		10-10W	or >2W Power	O= 10/130 PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC= LC/PC Connector
			20-20W		R= 25/250 PMDC Fiber	3= 3mm Cable	20-2.0m	SC/UPC= SC/UPC Connector

