

2000nm High Power Optical 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

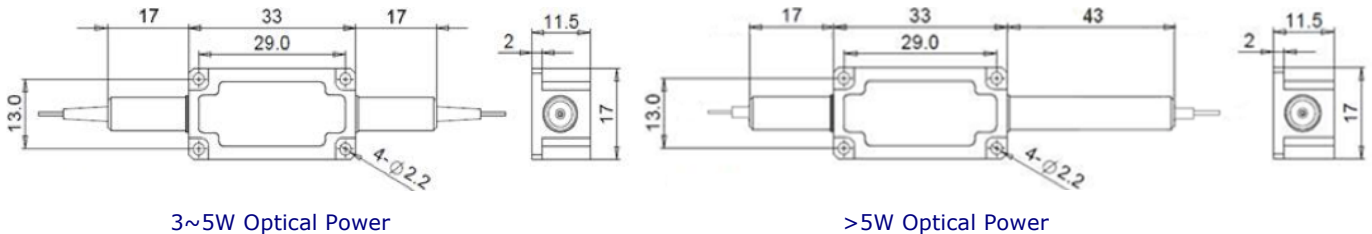


SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Working Wavelength (λ_c)	nm	2000 \pm 20		
Isolation (λ , 23°C)	dB	≥ 20	≥ 35	≥ 25
Insertion Loss (λ , 23°C)	dB	≤ 1.3	≤ 1.6	≤ 1.6
Optical Return Loss (Input/Output)	dB	50/45	50/45	50/45
PDL (23°C)	dB	≤ 0.2		
PMD	ps	≤ 0.25	≤ 0.30	≤ 0.3
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)		
Fiber Tensile Load	N	5		
Maximum Optical Power (CW)	W	1, 2		3, 5, 10, 15, 20
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		
Package	Stainless Steel Tube (SST)	mm	$(\Phi)5.5 \times 35$	
Dimension	Metal Box-M	mm	$(L)120 \times (W)12 \times (H)10$	
				See Drawing

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB 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 (H STAGE)



ORDERING INFORMATION (PN)

FISO-NNNN	- C	-HP	NN	- (C)	(C)	C	NN	- CC/CCC
Center Wavelength	Stage	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
2000= 2000nm	S= Single Stage	1= 1W	M= Metal Box	V= SM1950 Fiber	B= Bare fiber	05=0.5m	N= Without Connector	
	D= Dual Stage	5= 5W	Blank for SST	O= 10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC= FC/APC Connector	
	H= H Stage	10=10W	or >2W Power	R= 25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC= LC/PC Connector	
		20= 20W		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC= SC/UPC Connector	