

## 2000nm PBC(PBS)/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

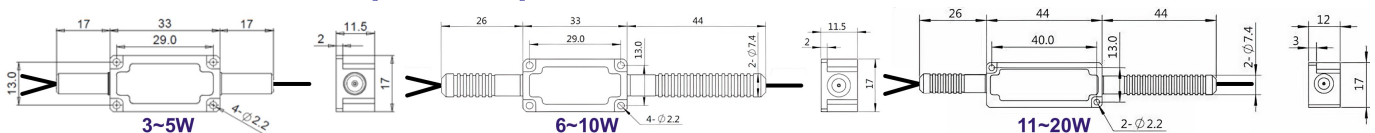


### SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Center Wavelength ( $\lambda_c$ )	nm	2000		
Isolation ( $\lambda_c \pm 20\text{nm}$ , 23°C)	dB	$\geq 20$	$\geq 35$	$\geq 25$
Insertion Loss ( $\lambda_c \pm 20\text{nm}$ , 23°C)	dB	$\leq 1.6$	$\leq 1.9$	$\leq 1.9$
Optical Return Loss (Input/Output)	dB	50/45	50/45	50/45
Extinction Ratio	dB	$\geq 18$		
Fiber Type of Port 3	S Type	-	Corresponding SM Fiber	
	P Type	-	Same Fiber to Port1&2, Slow axis align to Port 1	
	Q Type	-	Same Fiber to Port1&2, Slow axis is 45° to Port 1	
Fiber Type of Port1 & Port2	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)		
Fiber Tensile Load	N	5		
Max. Average Optical Power	W	0.3, 0.5, 1, 2		3, 5, 10, 15, 20
Max. Peak Power for pulse	kW	0.1, 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	$(L)120 \times (W)12 \times (H)10$	

- 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 DIMENSION (H STAGE)



### ORDERING INFORMATION (PN) FHIC=PBC/Isolator Hybrid; FHIS=PBS/Isolator Hybrid.

FHIC	-NNNN	-C	C	-H NN	P NN	-(C)	C	C	NN	-CC/CCC
FHIS	Center Wavelength	Stage	3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	2000= 2000nm	S= Single Stage	S=S Type	03=300mW	01= 100W	M= Metal Box	2= PM1550 Fiber	B= Bare fiber	05=0.5m	N= Without Connector
		D= Dual Stage	P=P Type	1= 1W	1= 1kW	Blank for SST	V= PM1950 Fiber	L= Loose Tube	10= 1.0m	FC/APC= FC/APC Connector
		H= H Stage	Q= Q Type	10= 10W	5= 5kW	or >2W Power	O= 10/130 PMDC Fiber	2= 2mm Cable	15= 1.5m	LC/PC= LC/PC Connector
				20= 20W	10= 10kW		R= 25/250 PMDC Fiber	3= 3mm Cable	20= 2.0m	SC/UPC= SC/UPC Connector