

1900~1970nm High Power PBC(PBS)/Isolator Hybrid

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

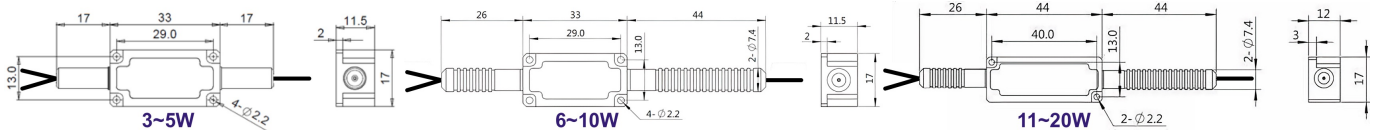


SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Working Wavelength (λ)	nm	1900 \pm 10, 1930 \pm 20, 1950 \pm 20, 1970 \pm 20		
Isolation (λ , 23 $^{\circ}$ C)	dB	\geq 16	\geq 30	\geq 25
Insertion Loss (λ , 23 $^{\circ}$ 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 $^{\circ}$ 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		
Maximum Optical Power (CW)	W	1, 2		3, 5, 10, 15, 20
Operating Temperature	$^{\circ}$ C	0~50		
Storage Temperature	$^{\circ}$ C	-20~75		
Package	Stainless Steel Tube (SST)	mm	(Φ)5.5x35	
Dimension	Metal Box-M	mm	(L)120x(W)12x(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 FHIS	-NNNN	- C	C	-HP NN	-(C)	C	C	NN	- CC/CCC
	Center Wavelength	Stage	3rd Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1900- 1900nm	S= Single Stage	S=S Type	1-1W	M= Metal Box	2-PM1550Fiber	B= Bare fiber	05-0.5m	N=Without Connector
	1930- 1930nm	D= Dual Stage	P=P Type	5=5W	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	1950- 1950nm	H= H Stage	Q=Q Type	10-10W	or >2W Power	O=10/130 PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
	1970- 1970nm			20=20W		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector