

960~1000nm High Power PBC(PBS)/Isolator Hybrid

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

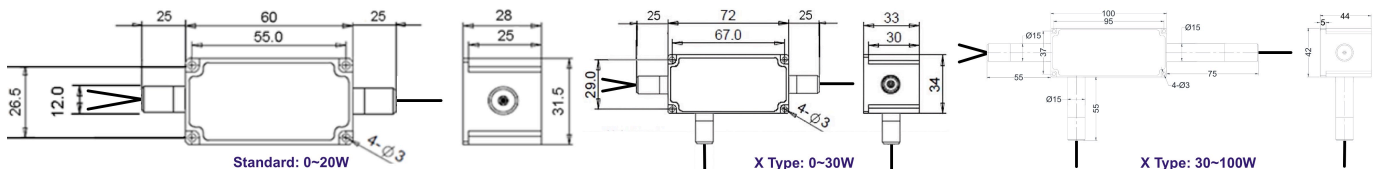
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- Transmitters and Fiber Lasers

SPECIFICATIONS

Parameter	Unit	High Power Type	
Center Wavelength (λ_c)	nm	975, 980, 990, 1000	
Operating Wavelength Range	nm	+/-10	
Peak Isolation (Typ.)	dB	28	
Min. Isolation (23°C)	dB	22	
Typical Insertion Loss (λ_c , 23°C)	dB	1.3	
Max. Insertion Loss (λ_c , 23°C)	dB	1.8	
Optical Return Loss (Input/Output)	dB	50/50	
Extinction Ratio (for FHIS)	dB	≥ 18	
Fiber Type of Port 3	S Type P Type Q Type	- - -	Corresponding SM Fiber Same Fiber to Port1&2, Slow axis align to Port 1 Same Fiber to Port1&2, Slow axis is 45° to Port 1
Configuration	-	-	Standard: 3-Port; X Type: 4-Port, Backward Power Guide
Fiber Type of Port 1 & Port 2	-	-	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 Type of 4 th Port (X Type)	-	-	Same Fiber, Corr. SM Fiber or 105/125um MM Fiber
Fiber Tensile Load	N		5
Maximum Optical Power (CW)	W		1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60, 80, 100
Max. Backward Optical Power (CW)	W		0.3, 0.5, 1, 2, 3, 5, 10
Operating Temperature	°C		0~50
Storage Temperature	°C		-20~75

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Suggest to use Y type for >20W Optical Power or continuous backward power of ≥ 500 mW.
 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.
 6. Package dimensions may be slightly different for different optical power.

PACKAGE DIMENSION



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

FHIC FHIS	-NNNN	- C	(C)	-HP NN	- (NN)	- C	C	NN	-CC/CCC
	Center Wavelength	3rd Port Fiber	4 th Port Fiber	Optical Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	975-975nm	S=S Type	Y= Same Fiber	1-1W	05-500mW	2-PM980Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
	980-980nm	P=P Type	A=105/125um Fiber	3-3W	1-1W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	990-990nm	Q=Q Type	Blank for Standard	10-10W	10-10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1000-1000nm			100-100W	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector