

1064~1092nm MiniSize High Power PBC(PBS)/Isolator Hybrid for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

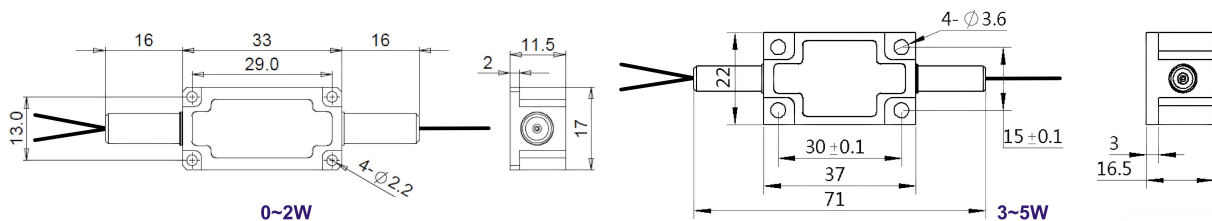
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1064, 1070, 1080, 1092	
Peak Isolation (Typ.)	dB	35	
Isolation (λ_c , 23°C)	dB	≥28	
Insertion Loss (λ_c , 23°C)	dB	≤2.5	≤3.0
Optical Return Loss (Input/Output)	dB	≥50	
Extinction Ratio (for FHIS)	dB	≥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 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 Tensile Load	N	5	
Max. Average Optical Power	W	0.5, 1	2, 3, 4, 5
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Max. Backward Average Power	W	0.3, 0.5, 1, 2	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	

- 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. 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



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

FHIC FHIS	-NNNN	- C	C	-H	NN	P NN	-(NN)	- C	C	NN	-CC/CCC
	Center Wavelength	Type	3rd Port Fiber	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
	1064=1064nm	M= Minisize	S=S Type	05=500mW	01=100W	05=500mW	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
	1070=1070nm		P=P Type	1=1W	1=1kW	1=1W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
	1080=1080nm		Q=Q Type	2=2W	5=5kW	2=2W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
	1092=1092nm			5=5W	10=10kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	