

1150nm PBC(PBS)/Isolator Hybrid 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	Value
Center Wavelength (λ_c)	nm	1150
Bandwidth	nm	+/-10
Isolation (λ_c +/-10nm, 23°C)	dB	≥28
Insertion Loss (λ_c +/-10nm, 23°C)	dB	≤2.5
Optical Return Loss (Input/Output)	dB	45/45
Extinction Ratio (for FHIS)	dB	≥18
Fiber Type of Port 3	S Type	-
	P Type	-
	Q Type	-
Fiber Type of Port 1 & Port 2		-
		-
		-
Fiber Tensile Load	N	5
Max. Average Optical Power	mW	300
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package	Stainless Steel Tube (SST)	mm
Dimension	Metal Box	mm

- 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.

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

FHIC	NNNN	- C	- H NN	P NN	-(C)	C	C	NN	-CC/CCC
FHIS	Center Wavelength	3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1150-1150nm	S=S Type	03=300mW	01=100W	M=Metal Box	2=PM980Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
		P=P Type		1= 1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		Q=Q Type		5=5kW		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector