

750-810nm Polarization Maintaining Isolator

FEATURES

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

APPLICATIONS

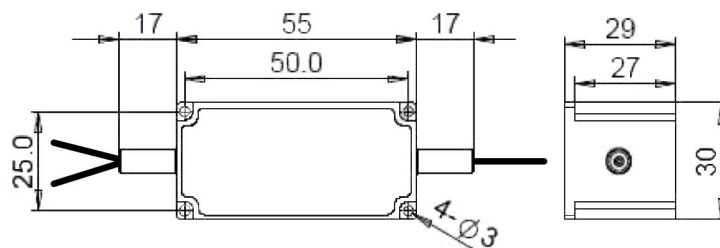
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	750, 780, 793, 808	
Working Wavelength	nm	+/-10	
Peak Isolation (Typ.)	dB	25	
Isolation (23°C)	dB	≥20	
Insertion Loss (Typ, λ_c , 23°C)	dB	1.5	
Insertion Loss (Max, 23°C)	dB	2.0	
Optical Return Loss (Input/Output)	dB	45/45	
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	-	-	PM850 Panda Fiber or PM780-HP Fiber
Fiber Tensile Load	N	-	5
Maximum Optical Power (CW)	W	-	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
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 0.7dB 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.

PACKAGE DIMENSION



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

FHIC FHIS	NNN Center Wavelength	C 3rd Port Fiber	-HP NN Optical Power	- N Fiber Type	C Fiber Sleeve	NN Fiber Length	- CC/CCC Connector Type
	750=750nm	S=S Type	03=300mW	2= PM850 Fiber	B=Bare Fiber	05=0.5m	N=Without Connector
	780=780nm	P=P Type	2=2W	7= PM780HP Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	793=793nm	Q=Q Type	5=5W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	808= 808nm		20=20W		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector