

830-850nm Polarization Maintaining Isolator

FEATURES

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

APPLICATIONS

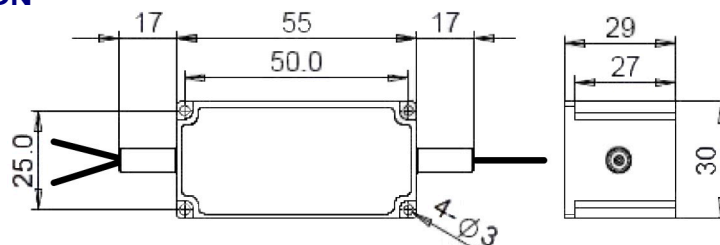
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	830, 850	
Working Wavelength	nm	+/-10	
Peak Isolation (Typ.)	dB	28	
Isolation (23°C)	dB	≥23	
Insertion Loss (Typ, λ_c , 23°C)	dB	1.0	
Insertion Loss (Max, 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	-	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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB 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.

PACKAGE DIMENSION



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

FHIC	NNN	-	C	HP NN	-	N	C	NN	-	CC/CCC
FHIS	Center Wavelength		3rd Port Fiber	Optical Power		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
	830-830nm		S=S Type	03=300mW		2= PM850 Fiber	B=Bare Fiber	05=0.5m		N=Without Connector
	850-850nm		P=P Type	2=2W		7= PM780HP Fiber	L=Loose Tube	10=1.0m		FC/APC=FC/APC Connector
			Q=Q Type	5=5W			2=2mm Cable	15=1.5m		LC/PC=LC/PC Connector
				20=20W			3=3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector