

830-850nm Polarization Maintaining Isolator

FEATURES

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

APPLICATIONS

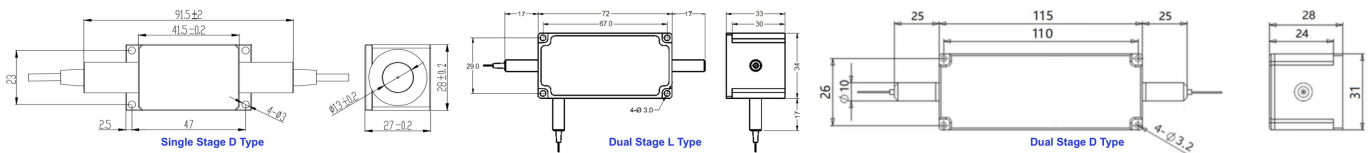
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage D Type	Dual Stage L Type
Center Wavelength (λ_c)	nm	830, 850		
Working Wavelength	nm	+/-10		
Peak Isolation (Typ.)	dB	28	45	
Isolation (23°C)	dB	≥ 23	≥ 40	
Insertion Loss (Typ, λ_c , 23°C)	dB	0.8	1.1	1.3
Insertion Loss (Max, 23°C)	dB	1.5	1.8	
Optical Return Loss (Input/Output)	dB	50/50		
Extinction Ratio	dB	≥ 18		
Working Mode	F Type	-	Both Slow and Fast Axis Working	
	S Type	-	Can only work in slow axis	
Fiber Type	-	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)

FPIS-NNN	(C)	C	-HP NN	- N	C	NN	- CC/CCC
Center Wavelength	Stage	Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
830-830nm	D=D Type	S= S Type	03-300mW	2= PM850 Fiber	B=Bare Fiber	05=0.5m	N=Without Connector
850- 850nm	L=L Type	F= F Type	2=2W	7= PM780HP Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for Single		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