750-810nm PM Isolator for Pulse Power

FEATURES

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

APPLICATIONS

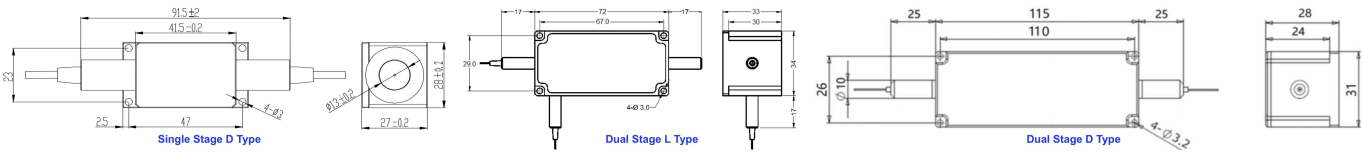
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameter		Unit	Single Stage	Dual Stage D Type	Dual Stage L Type
Center Wavelength (λc)		nm	750, 780, 793, 808		
Working Wavelength		nm	+/-10		
Peak Isolation (Typ.)		dB	25	45	
Isolation (23°C)		dB	≥20	≥40	
Insertion Loss (Typ, λc, 23°C)		dB	0.9	1.1	1.3
Insertion Loss (Max, 23°C)		dB	1.5	1.8	
Optical Return Loss (Input/Output)		dB	45/45		
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 Average Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20		
Max. Peak Power for Pulse		kW	0.1, 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.
5. Package dimensions may be different for different optical power and fiber type.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FPIS-NNN - (C) C -H NN P NN - C C NN -CC/CCC

Center Wavelength	Stage	Type	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
750=750nm	D=D Type	S= S Type	03=300mW	01=100W	2= PM850 Fiber	B=Bare Fiber	05=0.5m	N=Without Connector
780=780nm	L=L Type	F= F Type	1= 1W	1= 1kW	7=PM780HP Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
793=793nm	*Blank* for Single		5= 5W	5= 5kW		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
808= 808nm			10=10W	10=10kW		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector