

1200~1250nm PM Optical Isolator 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	1200, 1230, 1250	
Bandwidth	nm	+/-10	
Isolation (λ_c +/-10nm, 23°C)	dB	≥22	
Insertion Loss (λ_c +/-10nm, 23°C)	dB	≤1.6	
Optical Return Loss (Input/Output)	dB	45/45	
Extinction Ratio	dB	≥18	
Working Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Fiber Type	-	PM980 Fiber	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5 10	
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 Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)10

- 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.

ORDERING INFORMATION (PN)

FPIS-NNNN	- C	-H	NN	P NN	-(C)	C	C	NN	- CC/CCC
Center Wavelength	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1200- 1200nm	S= S Type	03=300mW	01= 100W	M= Metal Box	2=PM980 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
1230- 1230nm	F= F Type	1=1W	1=1kW	Blank for SST		L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
1250- 1250nm		5=5W	5=5kW			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
		10=10W	10=10kW			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	