

1160~1260nm 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	1178, 1188, 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	-
	F Type	-
		Can only work in Slow Axis
		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
	Metal Box	mm
		$\phi 5.5 \times L 35$
		$L 120 \times W 12 \times H 10$

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB 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.

ORDERING INFORMATION (PN)

FPIS-NNNN	- C	-H NN	PNN	-(C)	C	C	NN	- CC/CCC
Center Wavelength	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1178~1178nm	S= S Type	0.5~500mW	0.1~100W	M= Metal Box	2= PM980 Fiber	B= Bare Fiber	0.5~0.5m	N= Without Connector
1200~1200nm	F= F Type	1~1W	1~1kW	Blank for SST		L= Loose Tube	10~1.0m	FC/APC= FC/APC Connector
1230~1230nm		5~5W	5~5kW			2= 2mm Cable	15~1.5m	LC/PC= LC/PC Connector
1250~1250nm		10~10W	10~10kW			3= 3mm Cable	20~2.0m	SC/UPC= SC/UPC Connector