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RoHS Compliant

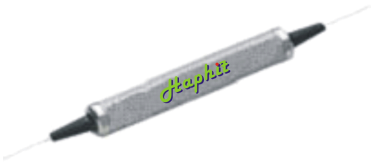
2000nm High Power PM Inline Optical Isolator

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	Single Stage	Dual Stage
Center Wavelength (λc)		nm	2000	
Isolation (λc+/-50nm, 23°C)		dB	≥16	≥35
Insertion Loss (PM1550 Fiber, λc+/-20nm, 0-50°C)		dB	≤1.3	≤1.6
Insertion Loss (PM1950 Fiber, λc+/-20nm, 0-50°C)		dB	≤2.2	≤2.5
Optical Return Loss (Input/Output)		dB	50/45	50/45
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		-	PM1550 Panda Fiber or PM1950 Fiber	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		W	1, 2, 3, 5	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension		mm	(Φ)5.5x35	

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB 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

FPIS- NNNN - C C -HP NN - C C NN - CC/CCC

Center Wavelength	Stage	Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2000= 2000nm	S= Single Stage	S= S Type	1=1W	2= PM1550 Fiber	B=Bare Fiber	10=1.0m	N =Without Connector
	D= Dual Stage	F= F Type	2=2W	V= PM1950 Fiber	L=Loose Tube	15=1.5m	FC/APC=FC/APC Connector
			5=5W			20=2.0m	LC/PC =LC/PC Connector