

1625nm PM 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 (λ_c)	nm	1625	
Bandwidth	nm	+/-10	
Isolation (23°C)	dB	≥22	≥40
Insertion Loss (23°C)	dB	≤0.6	≤0.7
Insertion Loss (0-50°C)	dB	≤0.8	≤0.9
Optical Return Loss (Input/Output)	dB	55/50	55/50
Extinction Ratio	dB	≥20	
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, 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	Φ5.5xL35
Dimension	Metal Box-M	mm	L120xW12xH10

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. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

FPIS-NNNN

- **C**

C

- (**C**)

C

C

NN

-**CC/CCC**

Center Wavelength

1625~1625nm

Stage

S= Single Stage

D= Dual Stage

Type

S= S Type

F= F Type

Package

M= Metal Box

Blank for SST

Fiber Type

2=PM1550 Fiber

0=10/125 PMDC Fiber

T=12/130 PMDC Fiber

R=25/250 PMDC Fiber

Fiber Sleeve

B= Bare Fiber

L= Loose Tube

2= 2mm Cable

3= 3mm Cable

Fiber Length

05=0.5m

10=1.0m

15=1.5m

20=2.0m

Connector Type

N=Without Connector

FC/APC-FC/APC Connector

LC/PC-LC/PC Connector

SC/UPC-SC/UPC Connector