1070nm High Power Collimating PM 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	High Power Type
Center Wavelength (λc)		nm	1070
Operating Wavelength		nm	+/-10
Peak Isolation (Typ.)		dB	28
Min. Isolation (23°C)		dB	20
Typical Insertion Loss		dB	0.50
Max. Insertion Loss		dB	0.75
Min. Optical Return Loss		dB	50
Min. 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, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Nominal Output Beam Diameter		mm	0.5, 1, 2, 5 or customer specify
Maximum Optical Power (CW)		W	0.5, 1, 2, 5, 10, 15, 20, 30, 50, 80, 100
Operating Temperature		°C	0~50
Storage Temperature		°C	-20~75

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

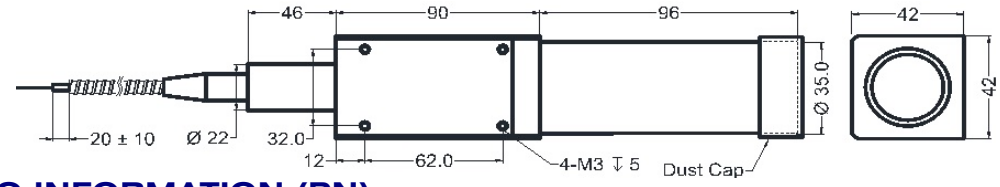
2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

5. Package dimension may be different for different beam diameter.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

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

Center Wavelength	Beam Diameter	Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1070=1070nm	05= 0.5mm	S= S Type	05=500mW	2=PM980 Panda Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	10= 1.0mm	F= F Type	1= 1W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	20=2.0mm		20=20W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	50= 5.0mm		100=100W	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector