

1040nm High Power Collimating PM Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

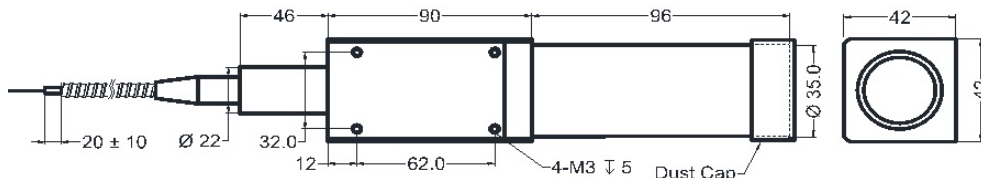
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

Parameter	Unit	High Power Type
Center Wavelength (λ_c)	nm	1040
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	0.80
Min. Optical Return Loss	dB	50
Min. Extinction Ratio	dB	18
Working Mode	S Type	-
	F Type	-
Fiber Type	-	
	Can only work in Slow Axis Can work both in Slow Axis and Fast Axis	
Nominal Output Beam Diameter	mm	0.5, 1, 2, 5 or customer specify
Maximum Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 20, 30, 50, 80, 100
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

- 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 - 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
1040=1040nm	05= 0.5mm	S= S Type	03=300mW	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		5=5W	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