

1080nm High Power Collimating Isolator

FEATURES

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

APPLICATIONS

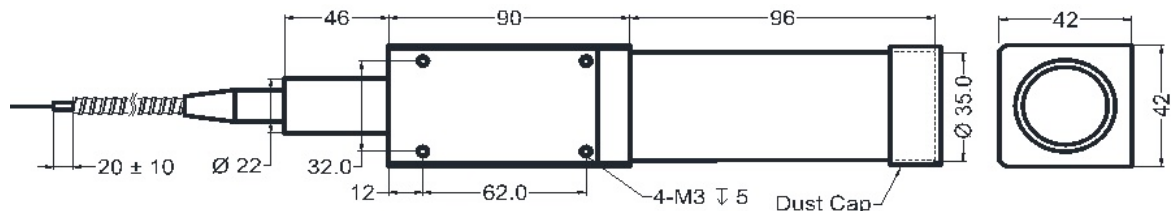
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

Parameter	Unit	High Power Type
Center Wavelength (λ_c)	nm	1080
Operating Wavelength Range	nm	+/-10
Peak Isolation (Typ.)	dB	28
Min. Isolation (λ_c , 23°C)	dB	20
Typical Insertion Loss	dB	0.50
Max. Insertion Loss	dB	0.80
Min. Optical Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.15
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
Nominal Output Beam Diameter	mm	0.5, 1, 2, 5 or customer specify
Maximum Optical Power (CW)	W	1, 2, 3, 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.
 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)

FISO-	NNNN	-	NN	-HC	NN	-	(C)	C	NN	-	CC/CCC
	Center Wavelength		Beam Diameter		Optical Power		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
	1080-1080nm		05- 0.5mm		05-500mW		E=10/125um SC Fiber	B=Bare Fiber	05=0.5m		N=Without Connector
			10-1.0mm		1-1W		Q=20/130um DC Fiber	L=Loose Tube	10=1.0m		FC/APC=FC/APC Connector
			20-2.0mm		10-10W		R=25/250um DC Fiber	2=2mm Cable	15=1.5m		LC/PC=LC/PC Connector
			50- 5.0mm		100-100W		Blank for HI1060 Fiber	3=3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector