



1030nm High Power Optical Isolator for Pulse Power

FEATURES

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

APPLICATIONS

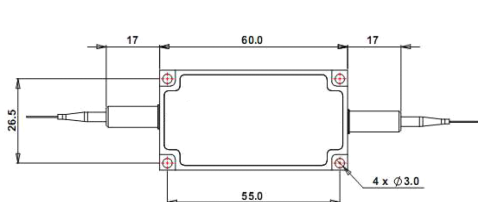
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

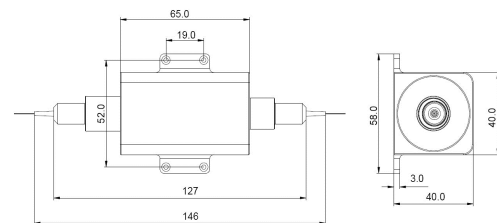
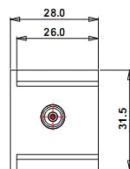
Parameter	Unit	High Power Type
Center Wavelength (λ_c)	nm	1030
Operating Wavelength Range	nm	+/- 10
Peak Isolation (Typ.)	dB	25
Min. Isolation (23°C)	dB	20
Typical Insertion Loss (λ_c , 23°C)	dB	1.5
Max. Insertion Loss (λ_c , 23°C)	dB	1.8
Optical Return Loss (Input/Output)	dB	45/45
Max. Polarization Dependent Loss @ 23°C	dB	0.15
Fiber Type	-	HI 1060 Fiber or 10/125um Fiber
Fiber Tensile Load	N	5
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for Pulse	kW	0.1, 1, 5, 10
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 0.3dB 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..

PACKAGE DIMENSION



1~10W Average Power Package



>10W Average Power Package

ORDERING INFORMATION

FISO-	NNNN	-H	NN	P	NN	-	(C)	C	NN	-	CC/CCC
Center Wavelength	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type					
1030=1030nm	05=500mW 1=1W 10=10W	01= 100W 1=1kW 10=10kW	E=10/125 Fiber O=10/125DC Fiber Blank for HI1060 Fiber	L= 900um Loose Tube 3= 3mm Cable	10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC =LC/PC Connector					