

960~1000nm High Power Dual Stage Isolator for Pulse Power

FEATURES

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

APPLICATIONS

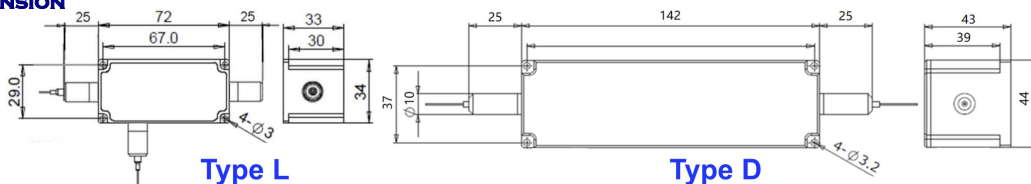
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameter	Unit	High Power Type
Center Wavelength (λ_c)	nm	975, 980, 990, 1000
Operating Wavelength Range	nm	+/-10
Peak Isolation (Typ.)	dB	40
Min. Isolation (23°C)	dB	35
Typical Insertion Loss (λ_c , 23°C)	dB	1.5
Max. Insertion Loss (λ_c , 23°C)	dB	2.3
Optical Return Loss (Input/Output)	dB	45/45
Max. Polarization Dependent Loss	dB	0.20
Configuration	-	Standard: 2-Port; Y Type: 3-Port, Backward Power Guide Out
Fiber Type	Input&Output	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)
	3 rd Port (Y Type)	Same Fiber or 105/125um MM Fiber
Fiber Tensile Load	N	5
Max. Average Optical Power	W	0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Max. Backward Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10
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.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Suggest to use Y type for >20W Optical Power or continuous backward power of $\geq 500\text{mW}$.
 - 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 dimensions may be slightly different for different optical power.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FISO-NNN	- C	(C)	-H NN	PNN	- (NN)	- (C)	C	NN	- CC/CCC
Center Wavelength	Type	3 rd Port Fiber	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
980~980nm	L-Type L	Y- Same Fiber	1-1W	01- 100W	05=500mW	E=10/125um SC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
975~975nm	D-Type D	A=105/125um Fiber	5-5W	1-1kW	1=1W	Q=20/130um DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
990~990nm		Blank for Standard	10-10W	10=10kW	10=10W	R=25/250um DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1000~1000nm			30-30W	20=20kW	Blank for 300mW	Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector