

900~950nm High Power Optical Isolator for Pulse Power

FEATURES

- High Isolation
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

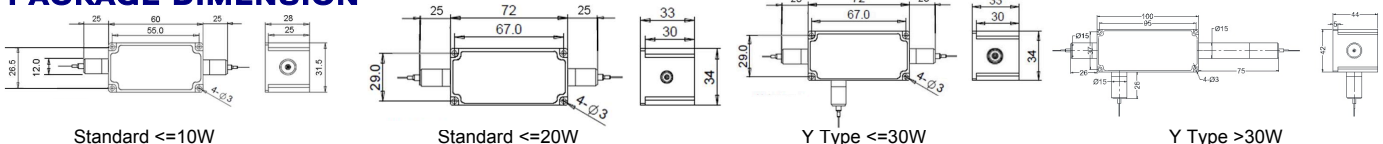
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- Transmitters and Fiber Lasers

SPECIFICATIONS

Parameter	Unit	High Power Type
Center Wavelength (λ_c)	nm	915, 930, 940, 950
Operating Wavelength Range	nm	+/-10
Peak Isolation (Typ.)	dB	25
Min. Isolation (23°C)	dB	20
Typical Insertion Loss (λ_c , 23°C)	dB	1.3
Max. Insertion Loss (λ_c , 23°C)	dB	1.8
Optical Return Loss (Input/Output)	dB	45/45
Max. Polarization Dependent Loss	dB	0.15
Configuration	-	Standard: 2-Port; Y Type: 3-Port, Backward Power Guide Out
Fiber Type	Input&Output	HI780 Fiber, 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	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50, 60, 80, 100
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:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.7dB higher, RL is 5dB lower.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Suggest to use Y type for >20W Optical Power or continuous backward power of ≥ 500 mW.
 5. 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.
 6. Package dimensions may be slightly different for different optical power.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

Center Wavelength	3 rd Port Fiber	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915-915nm	Y= Same Fiber	1-1W	01= 100W	05=500mW	H=HI1060 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
930-930nm	A=105/125um Fiber	5-5W	1=1kW	1=1W	E=10/125um SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
940-940nm	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
950-950nm		100-100W	20=20kW	Blank for 300mW	Blank for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector