

## 980/1020-1120nm High Power WDM/Isolator Hybrid for Pulse Power

### FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

### APPLICATIONS

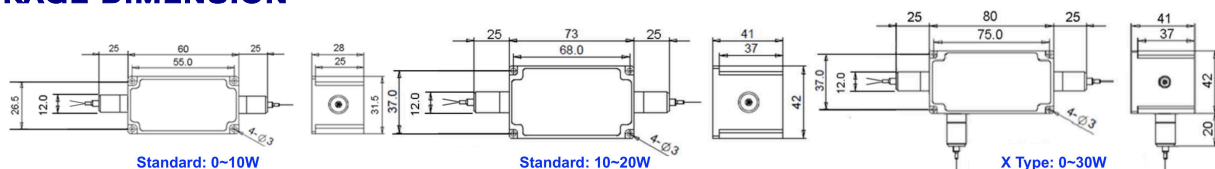
- Fiber Laser Systems
- Optical Amplifying Systems
- Research Labs

### SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range $\lambda_1$	nm	1020 $\pm$ 10, 1030 $\pm$ 10, 1040 $\pm$ 10, 1053 $\pm$ 10, 1064 $\pm$ 10 1070 $\pm$ 10, 1080 $\pm$ 10, 1092 $\pm$ 10, 1103 $\pm$ 10, 1120 $\pm$ 10	
Pump Wavelength Range $\lambda_2$	nm	980 $\pm$ 10	
Insertion Loss@23°C	dB	$\leq$ 1.8	
Signal Channel@ $\lambda_1$	dB	$\leq$ 1.8	
Pump Channel@ $\lambda_2$	dB	$\leq$ 0.8	
Signal Isolation (23°C)	dB	$\geq$ 20	
Wavelength	dB	$\geq$ 25	
Signal Channel@ $\lambda_2$	dB	$\geq$ 25	
Isolation	dB	$\geq$ 12	
Pump Channel@ $\lambda_1$	dB	$\geq$ 12	
Optical Return Loss	dB	$\geq$ 45	
Polarization Dependent Loss	dB	$\leq$ 0.20	
Configuration	-	Standard: 3-Port; X Type: 4-Port, Backward Signal Guide Out	
Fiber Type	Common and Signal Port	-	HI1060 Fiber or 10/125um SC Fiber (E)
		-	10/125um DC Fiber (O), 15/130um DC Fiber (W)
	Pump Port (980nm)	-	20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	4 <sup>th</sup> Port (X Type)	-	Same Fiber or HI1060 Fiber
Max. Average Optical Power	W	0.3, 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 Signal 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 0.5dB 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 may be different for different optical power and configuration.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

Wavelength	Pump Type	Pump Fiber	4 <sup>th</sup> Port Fiber	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
9806-980/1064nm	F=Forward	H=HI1060 Fiber	Y= Same Fiber	03=300mW	01=100W	05=500mW	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
9803-980/1030nm	B=Backward	Blank for Same Fiber	A=105/125um Fiber	1= 1W	1= 1kW	1=1W	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
9808-980/1080nm			Blank for Standard	10= 10W	10= 10kW	10=10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
9812-980/1120nm				20=20W	20=20kW	Blank for 300mW	Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector