

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

### FEATURES

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

### APPLICATIONS

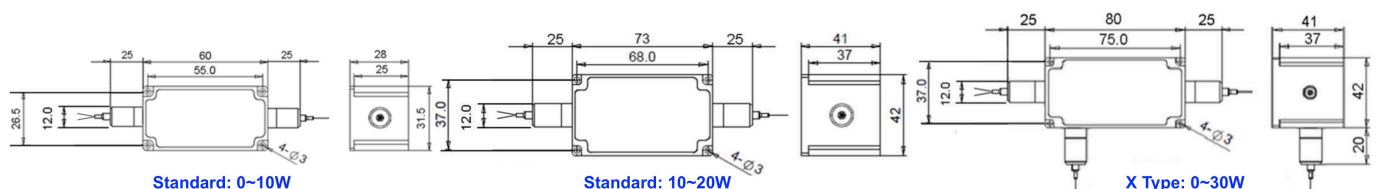
- Fiber Laser Systems
- Optical Amplifying Systems
- Research Labs

### 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	$\leq$ 0.8	
Pump Channel@ $\lambda_2$	dB	$\geq$ 20	
Signal Isolation (23°C)	dB	$\geq$ 25	
Wavelength	dB	$\geq$ 12	
Isolation	dB	$\geq$ 45	
Optical Return Loss	dB	$\leq$ 0.20	
Polarization Dependent Loss	-	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. Optical Power (CW)	W	0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30	
Max. Backward Signal Power (CW)	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.
  - 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 may be different for different optical power and configuration.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

FWHM-NNNN-	C	(C)	(C)	-HP NN	- (NN)	- (C)	C	NN	-CC/CCC
Wavelength	Pump Type	Pump Fiber	4 <sup>th</sup> Port Fiber	Optical Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
9806=980/1064nm	F=Forward	H=HI1060 Fiber	Y=Same Fiber	1=1W	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	5=5W	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=10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
9812=980/1120nm				20=20W	Blank for 300mW	Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector