

915/1020-1120nm High Power WDM/Isolator Hybrid for Pulse Power

FEATURES

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

APPLICATIONS

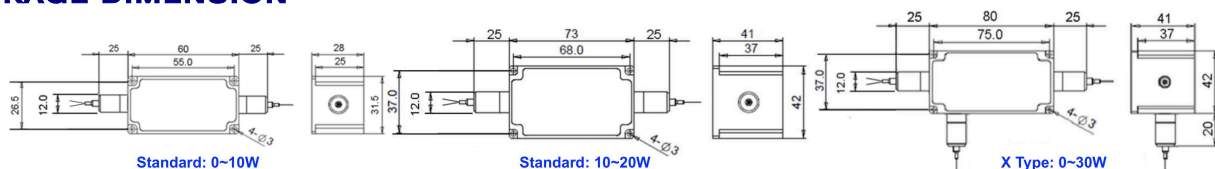
- Fiber Laser Systems
- Optical Amplifying Systems
- Research Labs

SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range λ_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 λ_2	nm	915 \pm 10	
Insertion Loss@23°C	dB	\leq 1.8	
Signal Isolation (23°C)	dB	\geq 20	
Wavelength Isolation	dB	\geq 25	
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	-	HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O) or 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	Pump Port (915nm)	-	Same Fiber, HI780 Fiber or HI1060 Fiber
	4 th Port (X Type)	-	Same Fiber or 105/125um MM 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 0.7dB 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 th Port Fiber	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
9106-915/1064nm	F=Forward	H=HI780 Fiber	Y=Same Fiber	03=300mW	01=100W	05=500mW	H=HI1060 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
9103-915/1030nm	B=Backward	X=HI1060 Fiber	A=105/125um Fiber	1=1W	1=1kW	1=1W	E=10/125 SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
9108-915/1080nm		Blank for Same Fiber	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
9112-915/1120nm				20=20W	20=20kW	Blank for 300mW	Blank for HI780 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector