

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

FEATURES

- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

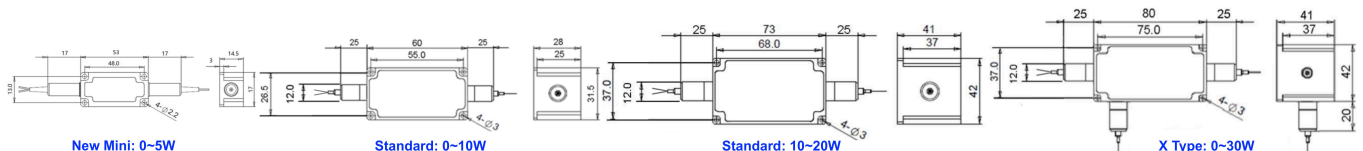
- Fiber Laser Systems
- Optical Amplifying Systems

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+/- 10	
Insertion Loss@23°C	Signal Channel@ λ_1 Pump Channel@ λ_2	dB dB	\leq 1.8 \leq 1.0
Signal Isolation (23°C)		dB	\geq 20
Wavelength Isolation	Signal Channel@ λ_2 Pump Channel@ λ_1	dB dB	\geq 25 \geq 12
Optical Return Loss		dB	\geq 45
Extinction Ratio		dB	\geq 18
Working Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Configuration		-	Standard: 3-Port; X Type: 4-Port, Backward Signal Guide Out
Fiber Type	Common and Signal Port	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
		-	Same Fiber, Corr. SM Fiber, PM850 Fiber, HI780 Fiber, PM980 Fiber (M) or HI1060 Fiber (X)
	4 th Port (X Type)	-	Same Fiber, Corr. SM 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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - 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)

Wavelength	Pump Type	Work Mode	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	S= S Type	P=PM850 Fiber	Y= Same Fiber	03=300mW	01=100W	05=500mW	2=PM850Fiber	B= Bare fiber	05=0.5m	N=Without Connector
9103=915/1030nm	B=Backward	F= F Type	Y=Same Fiber	A=105/125um Fiber	1= 1W	1= 1kW	1=1W	H=PM980 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
9108=915/1080nm			S=Corr. SM Fiber	E=New Mini Package	10= 10W	10= 10kW	10=10W	E=PM1060L Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
9112=915/1120nm			H=HI780 Fiber	Blank for Standard	20=20W	20=20kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector