

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

FEATURES

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

APPLICATIONS

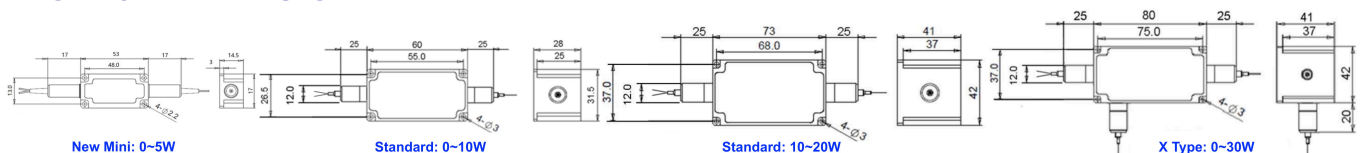
- Fiber Laser Systems
- Optical Amplifying Systems
- Research Labs

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	980+/-10
Insertion Loss@23°C	dB	\leq 1.8
Signal Channel@ λ_1	dB	\leq 0.8
Pump Channel@ λ_2	dB	\geq 20
Signal Isolation (23°C)	dB	\geq 25
Wavelength	dB	\geq 12
Isolation	dB	\geq 45
Optical Return Loss	dB	\geq 18
Extinction Ratio	dB	-
Working Mode	S Type	-
	F Type	-
		Can only work in Slow Axis
		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	-
		PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
		10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)
		20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
	Pump Port (980nm)	-
		Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber
	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 0.5dB 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
9806=980/1064nm	F= Forward	S= S Type	Y=Same Fiber	Y= Same Fiber	03=300mW	01=100W	05=500mW	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
9803=980/1030nm	B=Backward	F= F Type	P=PM980 Fiber	A=105/125um Fiber	1= 1W	1= 1kW	1=1W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
9808=980/1080nm			H=HI1060 Fiber	E=New Mini Package	10= 10W	10= 10kW	10=10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
9812=980/1120nm			S=Corr. SM 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