

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

FEATURES

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

APPLICATIONS

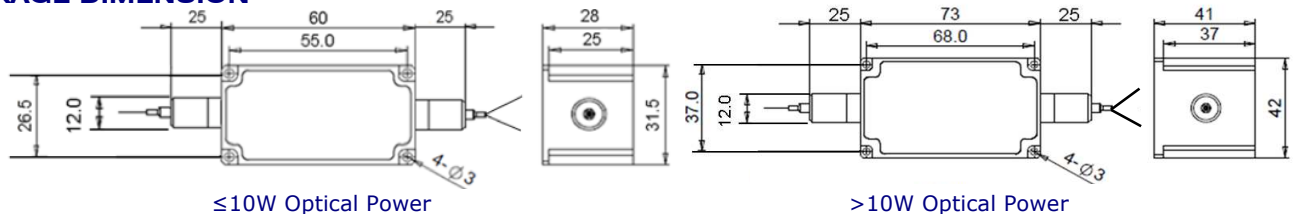
- Fiber Laser Systems
- Optical Amplifying Systems
- Research Labs

SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range λ_1	nm	1020 \pm 5, 1030 \pm 10, 1040 \pm 10, 1053 \pm 10, 1064 \pm 10, 1070 \pm 10, 1080 \pm 10, 1092 \pm 10, 1120 \pm 10	
Pump Wavelength Range λ_2	nm	980+/-10	
Insertion Loss@23°C	Signal Channel@ λ_1	dB	\leq 1.8
	Pump Channel@ λ_2	dB	\leq 0.8
Signal Isolation (23°C)		dB	\geq 20
Wavelength Isolation	Signal Channel@ λ_2	dB	\geq 25
	Pump Channel@ λ_1	dB	\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
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
Max. Average Optical Power	W		0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for pulse	kW		0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C		0~50
Storage Temperature	°C		-40~85

- 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 DIMENSION



ORDERING INFORMATION (PN)

Wavelength	Pump Type	Work Mode	Pump Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
9806-980/1064nm	F=Forward	S=S Type	Y=Same Fiber	03=300mW	01=100W	2-PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
9803-980/1030nm	B=Backward	F= F Type	P=PM980 Fiber	1= 1W	1= 1kW	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
9808-980/1080nm			H=HI1060 Fiber	10= 10W	10= 10kW	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
9812-980/1120nm			S=Corr. SM Fiber	20=20W	20=20kW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector

