

1064.3nm Ultrafast Laser Module

Features

Optical beam quality is good
 Long life
 Excellent environmental stability

Application

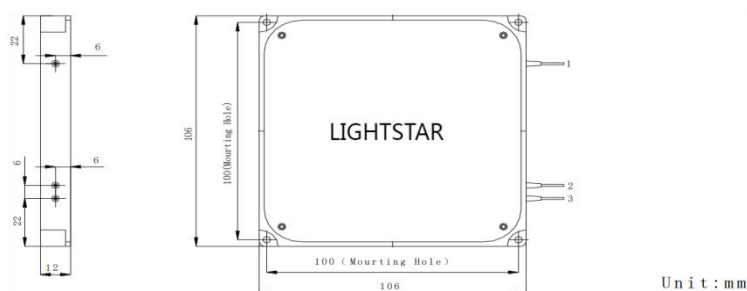
High power ultra fast laser
 Biological detection
 Precision measurement

Specifications

Parameter	Unit	Value
Central wavelength	nm	1064.3±0.3 or Specify
Spectrum bandwidth	nm	<0.3
Pulse bandwidth	ps	10±1 or Specify
Repetition rate	MHz	45±1 or Specify
Average output power	mW	10 or Specify
Long-term stability (8 hours)	dB	<0.2
Output polarized state	-	Linear Polarization
Output extinction ratio	dB	23 or Specify
Output port fiber type	-	PM 980 Panda fiber
Optical quality(M ²)	-	<1.1
No maintenance time required	Hours	5000 or Specify
Pump power @ 974/976nm	mW	100 ~ 120
Operating temperature	°C	+ 10 ~ + 40
Storage temperature	°C	- 40 ~ + 85
Package dimensions(L*W*H)	mm	106*106*12±0.2 (Only for 5000 hrs Type)

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Port 1 is pump port, Port 2 is output port, Port 3 is tap port.

Ordering information

PMFUSL-①①①①-②-③③-④④-⑤⑤⑤-⑥-⑦-⑧-⑨

- | | | | | |
|---|--|---|---|---|
| ①①①①: Central wavelength
0643=1064.3nm
SSSS=Specify | ②: Pulse width
1=10ps
S=Specify | ③③: Repetition rate
45=45MHz
SS=Specify | ④④: Splitting ratio
01=1%
50=50%
SS=Specify | ⑤⑤⑤: Fiber type
001=SMF-28e
004=Hi1060
SSS=Specify |
| ⑥: No maintenance time required
0=5000h
1=10000h
S=Specify | ⑦: Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify | ⑧: Length
H=0.5m
1= 1.0m
S=Specify | ⑨: Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify | |