



MFSQ-150/1500X 模块化单模准连续光纤激光器

使用手册

版权说明

“ ”

引 语

MFSQ

MFSQ

公司简介

2004

<http://www.maxphotonics.com>



:
: <http://www.maxphotonics.com>
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: +86-755-36869377
: info@maxphotonics.com

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第一章 特性说明

MFSQ




1080nm

MFSQ

Class 4

第二章 安全信息

1 -

Class

1080nm

2 -

1.

2.

LaserVision USA Kentek Corporation Rochwell Laser Industries

3 -

1.

2.

3.

1

2

3

4

5

6

7

4.

	48V DC+
	48V DC-

5.

1

2

10



5cm

3

6.

- 1
- 2
- 3
- 4
- 5
- 6

7.

4-

Laser Institute of America(LIA)
13501 Ingenuity Drive, Suite 128
Orlando,Florida 32826
Phone:407 380 1553,Fax: 407 380 5588
Toll Free:1 800 34 LASER

American National Standards Institute
ANSI Z136.1, American National Standard for the Safe Use of Lasers
(Available through LIA)

International Electro-technical Commission
IEC 60825-1, Edition 1.2

Center for Devices and Radiological Health
21 CFR 1040.10 - Performance Standards for Light-Emitting Products

US Department of Labor - OSHA
Publication 8-1.7 - Guidelines for Laser Safety and Hazard Assessment.
Laser Safety Equipment

Laurin Publishing
Laser safety equipment and Buyer' s Guides

第三章 产品描述

1-

MFSQ

1

2

3

4

5

1

2

2-

MFSQ-150/1500X	150/1500X

3-

4-



1	OPTICAL OUTPUT	
2	POWER IN	DC 48V
3	CTRL	
4	RS232	
5	EARTH	

第四章 详细规格

1-

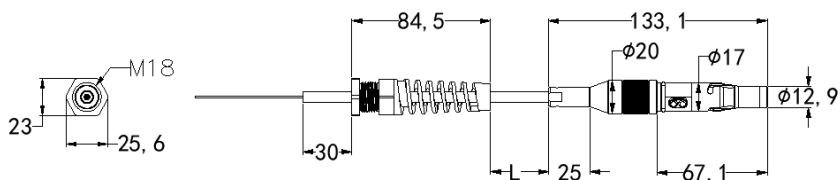
1				1500		W
2				150		W
3				250		W
4				15		J
5			10		100	%
6			1		5000	Hz
7			0.02		50	Ms
8			0		50	%
9		100%	1070	1080	1090	nm
10		10-100%		65		%
11		10-100%		27		%
12	3dB	100%		3		nm
13		100% >1h		± 1.5		%
14	M2	100%		1.1(14um)		
15		10% 90%		20		μs
16		90% 10%		10		μs
17		100%	200			μW
18				10		m
19			200			mm
20				14/20/50		μm
21				QBH LOC		

2-

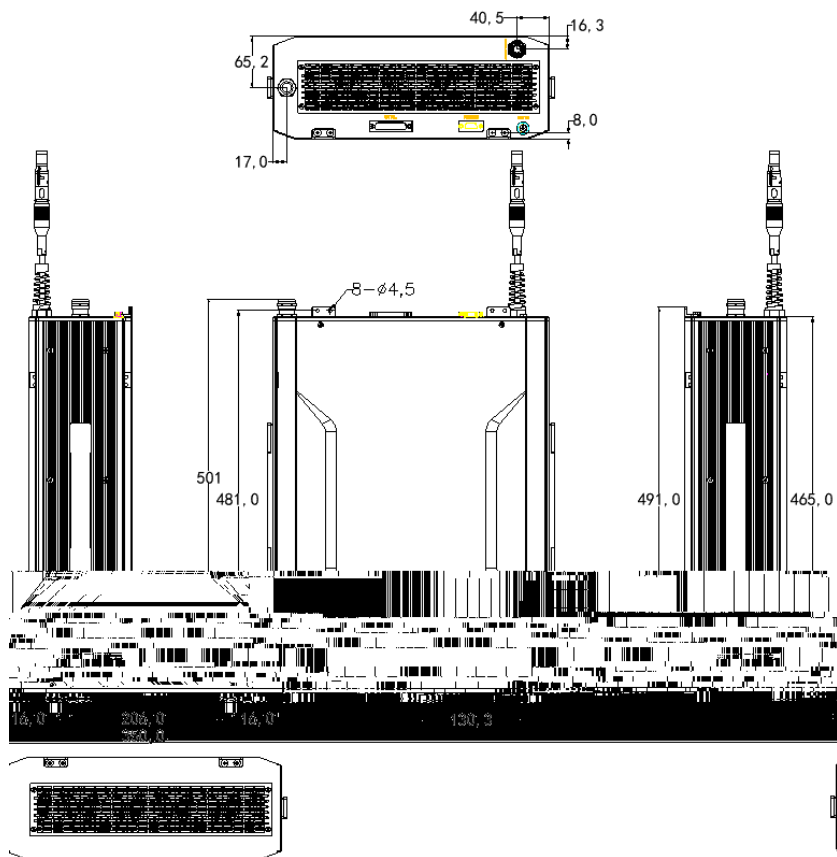
1				48		VDC
2		100%		2		KW
3			10		40	
4			10		85	%
5						
6			-10		60	
7	465*350*130.3mm L x W x H					mm
8	22					kg

3-

mm



mm



第五章 使用指南

1-DB25

1		D_COM	D_COM	
2		D_INPUT	24V	= =
3		D_INPUT	24V	= / =
4	ERROR	D_OUTPUT	5V	(= =)
5	ERR_RESET	D_INPUT	24V	1=
11	LASER_EN	D_INPUT	24V	
20	Ready_Out	D_OUTPUT	5V	= = /
21	LASER_ON+		24V	
22	LASER_ON-			
23	DA(0-10V)	+ A_INPUT	0-10V	10V=100%
25	DA(0-10V)	- A_COM	A_COM	

2-

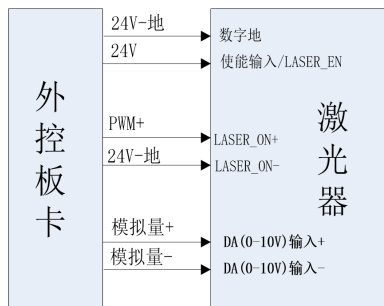
1

2"

"

24V

3

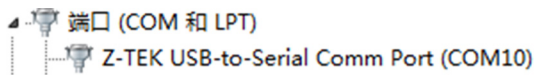


3-

1.

USB

USB



COM

" "



4-

1.

ms

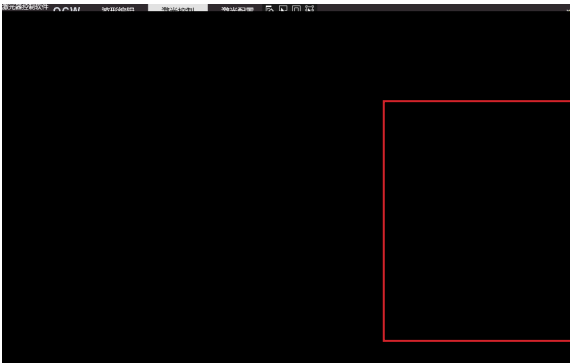


16

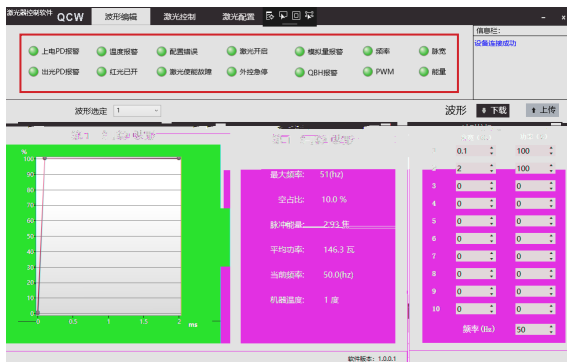
"

"

2.



3.



1 PD PD

1
2

2

3 M

4 DB25 LASER_EN

5

6

7

8 QBH: QBH

4.



5.

“ / ”

“ / ”

“ ”

1

“ ”

/ ”

16 “ ”

2

“ ” /

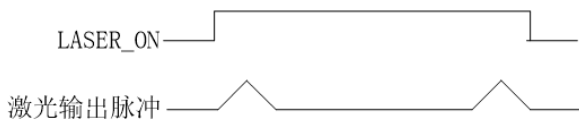
“ ”

3

“ ”

DB25 21 22 laser_

on



ON LASER_ON LASER_
0.1ms

4

"

"

DB25 21 22

laser_

on

5

"

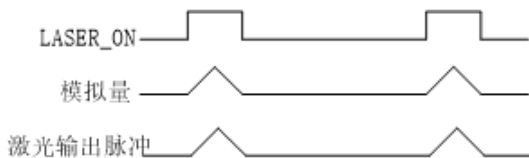
"

DB25 21 22

laser_on

DB25 23 25

10V



LASER_ON

6

DB25 21 22

laser_

on

DB25 23 25

10V

6.

"

"



7.

第 1 组脉冲波形

最大频率: 51(hz)

空占比: 10.0 %

脉冲能量: 2.93 焦

平均功率: 146.3 瓦

当前频率: 50.0(hz)

机器温度: 1 度

5-

1 (ms) = (15J)*1000/ (W)

1500W	10.00ms
1000W	15.00ms
500W	30.00ms

2 (Hz) = (150W)/ (J)

15J	10.00Hz
10J	15.00Hz
5J	30.00Hz

第六章 服务与维修

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400-900-9588

第七章 保修声明

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