



MFSQ-1000/2000W

使用手册

版权说明

“ ”

引 语

MFSQ-1000/2000W

MFSQ-1000/2000W

公司简介


2004

<http://www.maxphotonics.com>



:
: <http://www.maxphotonics.com>
: 400-900-9588
: +86-755-36869377
: info@maxphotonics.com

- 1
- 4
- 5
- 1- 5
- 2- 6
- 3- 6
- 4- 7
- 5- 11
- 12
- 1- 12
- 2- 12
- 3- 12
- 4- 13
- 5- 13
- 6- 14
- 7- 14
- 15
- 1- 15
- 2- 16
- 3- 16
- 4-QBH 17



5-	.....	17
6-	.....	19
	.....	20
1-	.....	20
2-	.....	21
	.....	22
1-	.....	22
2-	.....	22
3-	.....	23
4-	.....	24
5-	.....	26
6-	.....	27
	.....	32
1-	.....	32
2-	.....	32
	.....	33
1-	.....	33
2-	.....	33

第一章 特性说明

MFSQ-1000/2000W




1080 nm

MFSQ-1000/2000W

Class 4

第二章 安全信息

1 -

Class

1080nm

2-

1.

2.

LaserVision USA Kentek Corporation Rochwell Laser Industries

3-

EN 61000-6-4:2007 + A1:2011


EN 61000-6-2:2005 + AC: 2005

EN 61000-3-2:2014

EN 61000-3-3:2013

EN 61010-1:2010

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013



EN 60825-1:2014
CDRH 21 CFR 1040.10

60825-1 8 MFSQ Class 4 EN

4 -

1.

2.

MFSQ-1000/2000W

3.

1

2

3

4

5

6

7

8

9

10

11



4.

1

2

3

4

220V

5

6

7

220VAC

5.

1

2

0

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-1000/2000W

- 1
- 2
- 3
- 4
- 5

1

2

2-

6

3-

MFSQ-1000/2000W	1000/2000W
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4-

5-



(OFF/ON)	
(EMERGENCY STOP)	
ALARM	
ACTIVE	
POWER	

6-



CTRL	
RS232	RS232
AC220	220V
POWER	
WATER OUT	
WATER IN	
OPTICAL OUTPUT	

7-

1.

6.4

QBH

QBH



第四章 详细规格

1-

1				2000		W
2				1000		W
3				1000		W
4				60		J
5			10		100	%
6			1		5000	Hz
7			0.1		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		3		%
14	BPP	50μm-QBH		1.1	1.5	mm x mrad
15		10% 90%		50	100	μs
16		90% 10%		50	100	μs
17		100%	100			μW
18				15		m
19			200			mm
20				30 50		μm
21				QBH LOC		

2-

1			180	220	240	VAC
2		100%		7		KW
3			10		40	
4			10		85	%
5						
6			-10		60	
7	950(D)*482.6(W)*193.2(H)					mm
8	68					kg

3-

1		26		28	
2		20			L/Min
3		40			M
4		3.5			HP

40

26

;

p 0.5bar

;

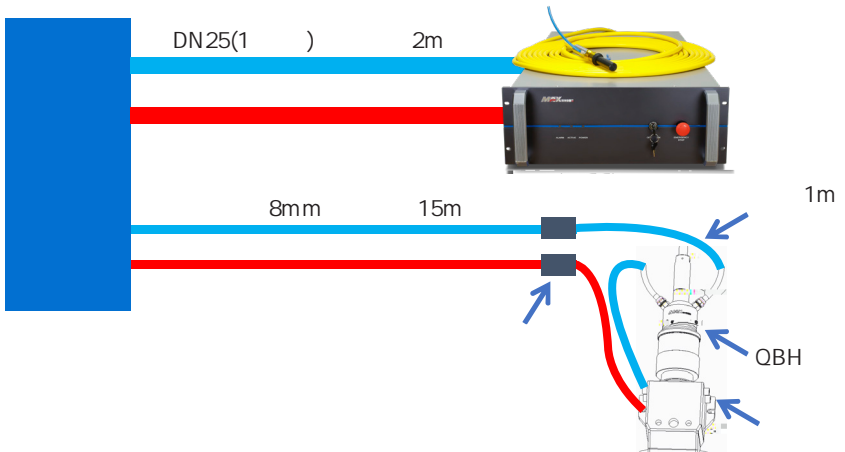
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()

4-QBH

		L/min	bar	
	6	2	4	28-30

8mm 15m ;
 QBH 6 1m ;
 QBH ;
 p 1.5bar



5-

1

1000

2

10 - 40

3

10% - 80%

4

环境温度、相对湿度、露点对照表														
相对湿度%	30	35	40	45	50	55	60	65	70	75	80	85	90	95
环境温度(°C)	露点Td (°C)													
10	-7.0	-5.0	-3.0	-1.3	0.0	1.5	2.5	3.6	4.8	5.8	6.7	7.6	8.4	9.2
11	-6.5	-4.0	-2.0	-0.5	1.0	2.5	3.5	4.8	5.8	6.7	7.7	8.6	9.4	10.2
12	-6.0	-3.0	-1.0	0.5	2.0	3.2	4.4	5.5	6.5	7.5	8.5	9.5	10.4	11.3
13	-4.5	-2.0	-0.2	1.4	2.8	4.1	5.3	6.6	7.7	8.7	9.6	10.5	11.4	12.2
14	-3.2	-1.0	0.7	2.2	3.5	5.1	6.4	7.5	8.6	9.6	10.6	11.5	12.4	13.2
15	-2.3	-0.3	1.5	3.1	4.6	6.0	7.3	8.4	9.6	10.6	11.6	12.5	13.4	14.2
16	-1.3	0.5	2.4	4.0	5.6	7.0	8.3	9.5	10.6	11.6	12.6	13.4	14.3	15.2
17	-0.5	1.5	3.2	5.0	6.5	8.0	9.2	10.2	11.5	12.5	13.5	14.5	15.3	16.2
18	0.2	2.3	4.0	5.8	7.4	9.0	10.2	11.3	12.5	13.5	14.5	15.4	16.4	17.2
19	1.0	3.2	5.0	7.2	8.4	9.8	11.0	12.2	13.4	14.5	15.4	16.5	17.3	18.2
20	2.0	4.0	6.0	7.8	9.4	10.7	12.0	13.2	14.4	15.4	16.5	17.4	18.3	19.2



6-

mm

第五章 拆装指南

1-

1

2

3

>200mm

4

5

6

2-

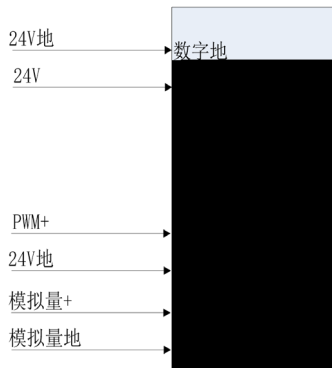
	MFSQ-1000/2000W		1	
220VAC	3		1	
	3.5		1	
RS232	RS232		1	
			2	
U	16G		1	
			4	
QBH	6x4mm		1	
	12x10mm		1	
	MFSQ-1000/2000W		1	

3-

CTRL

CTRL

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=
6		D_INPUT	24V	
7	LASER_ON+		24V	+
8	LASER_ON-		24V	-
9	DA(0-10V) +	A_INPUT	0-10V	
10	DA(0-10V) -	A_COM	A_COM	
11	NC			
12	NC			



4-

1.

1

2

3

>99.5%

4

5

6

99.5%

2.

1

" OFF "

2

3

20

4

5

6

7



5-

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

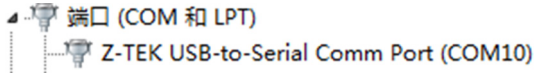
" ON"

6-

1.

USB

USB



COM " "



2.

" "



1

" "

/ "

16

" "

1

波形切换

波形编辑

	脉宽(ms)	功率(%)
1	0.0	0
2	0.0	0
3	0.0	0
4	0.0	0
5	0.0	0
6	0.0	0
7	0.0	0
8	0.0	0
9	0.0	0
10	0.0	0
	频率(hz)	70

波形编号选定

1

2

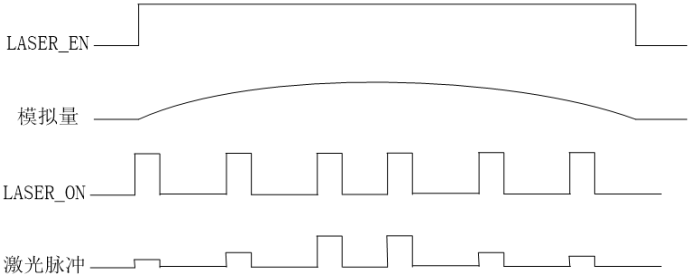
"

/

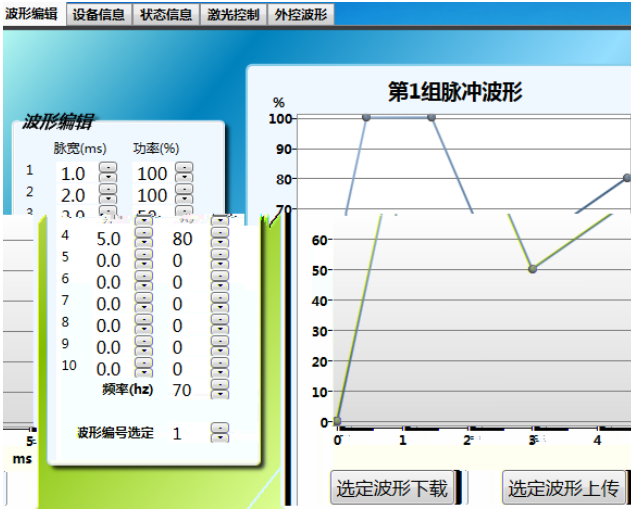
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连续功率设置(%)

3	"	"	7	8	laser_on
4	"	"	7	8	laser_on
5	"	"	7	8	laser_on
			9	10	10V



6			7	8	laser_on
			9	10	10V



4.



1 PD PD

2

3 M

4 DB25 LASER_EN

5 " "

第七章 服务与维修

1-

2-

400-900-9588

第八章 保修声明

1-

2-

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2
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6