MAX 创鑫激光

MFSQ-150/1000W 单模准连续光纤激光器

使用手册

版权说明

“ ”

引 语

MFSQ

, ,

MFSQ

2

公司简介

2004

http://www.maxphotonics.com

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

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.

	L
	N

MFSQ 220VAC

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-150/1000W	150/1000W

3-

第四章 详细规格

1-

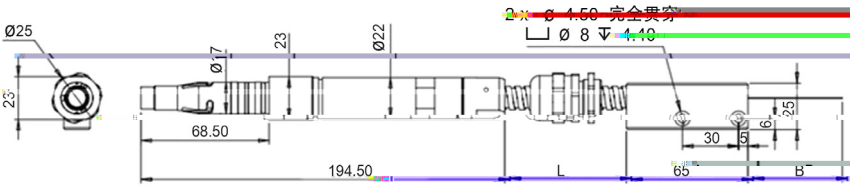
1				1000		W
2				150		W
3				150		W
4				25		J
5			10		100	%
6			1		5000	Hz
7			0.05		50	ms
8			0		50	%
9		100%	1070	1080	1090	nm
10		10~100%		65		%
11		10~100%		27		%
12	3dB	100%		3		nm
13		100% >1h		2		%
14	M2	100%		1.3(20um)		
15		10% → 90%		50	100	μs
16		90% → 10%		50	100	μs
17		100%	100			μW
18				10		m
19			200			mm
20			14,20,50			μm
21			QBH LOC			

2-

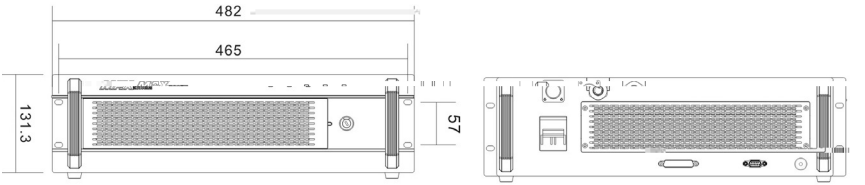
1			176	220	240	VAC
2		100%		2.5		KW
3			10		40	
4			10		85	%
5						
6			-10		60	
7		510.5*448*131.5mm D x W x H				mm
8		32				kg

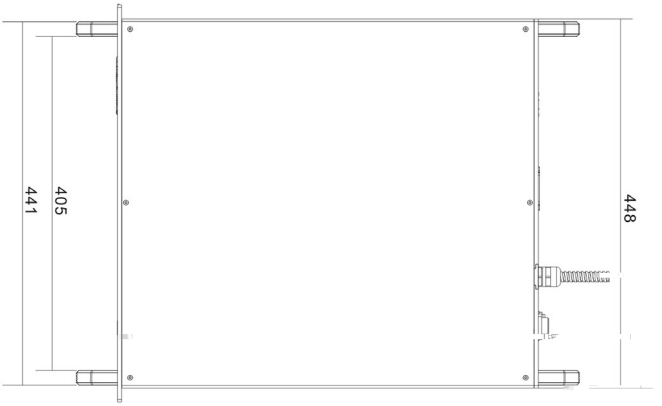
3-

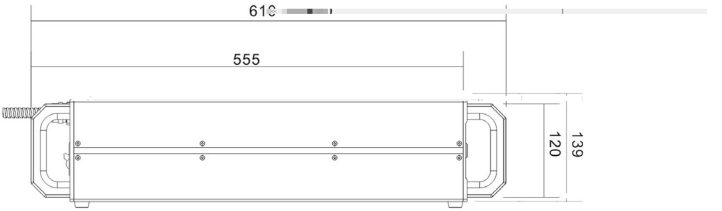
mm


Ø25
23
Ø
23
Ø22
2-x Ø 4.50 完全贯穿
Ø 8 ↧ 4.10
68.50
194.50
L
30
5
6
25
65
B

mm


482
465
131.3
57


441
405
448


555
139
120

第五章 使用指南

	1

1-DB25

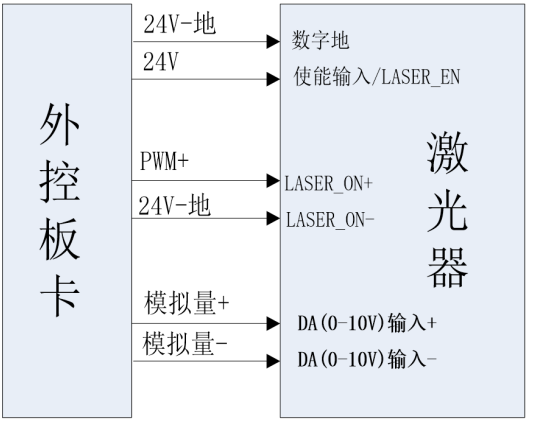
1		D_COM	D_COM	
2		D_INPUT	24V	= =
3		D_INPUT	24V	= / =
4	ERROR	D_OUTPUT	5V	= = ( )
5	ERR_RESET	D_INPUT	24V	1=
11	LASER_EN	D_INPUT	24V	
20	Ready_Out	D_OUTPUT	5V	= = /
21	LASER_ON+		24V	
22	LASER_ON-			
23	DA(0-10V) +	A_INPUT	0-10V	
25	DA(0-10V) -	A_COM	A_COM	

2-

1

2 “ ” 24V

3



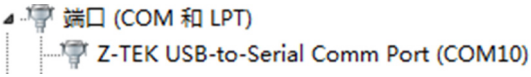
3-

ACTIVE		
ALARM		
POWER		

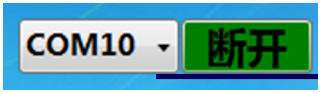
4-

1.

USB USB


端口 (COM 和 LPT)
Z-TEK USB-to-Serial Comm Port (COM10)

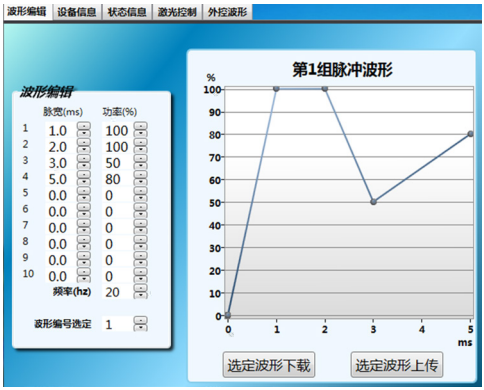
COM ” ”


COM10
断开

5-

1.

ms


波形编辑
设备信息
状态信息
激光控制
外控波形
波形编辑
脉宽(ms)
功率(%)
1 1.0 100
2 2.0 100
3 3.0 50
4 5.0 80
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) 20
波形编号选定 1
第1组脉冲波形
%
100
90
80
70
60
50
40
30
20
10
0
0 1 2 3 4 5
ms
选定波形下载
选定波形上传

16 “ ”

2.


波形编辑
设备信息
状态信息
激光控制
外控波形
设备信息
当前时间 2017/10/10 24:24:24
序列号 abcdefghijk
C状态 0X0008
M状态 0X0012
固件版本 V0012
设备型号 150/1000W

3.


波形编辑
设备信息
状态信息
激光控制
外控波形
上电PD报警
出光PD报警
温度报警
红光已开
配置错误M
激光使能故障
激光开启
外控急停按下

1 PD PD

1
2

2

3 M
4 DB25 LASER_EN

5
6
7
8 QBH: QBH

4.

“ / ”

“ / ”

5.

“ ”

1

“ ” “

/ ”

16 “ ”

2

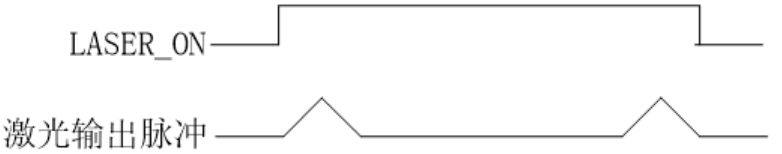
“ ” /

” ”

3

“ ” DB25 21 22 laser_

on



LASER_ON LASER_

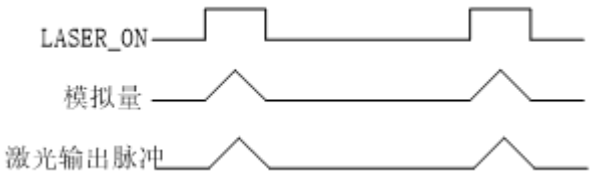
ON 0.1ms

4

“ ” DB25 21 22 laser_on

5

“ ” DB25 21 22 laser_on DB25 23 25 10V



LASER_ON

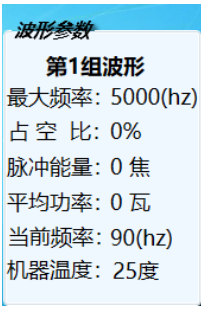
6

DB25 21 22 laser_on DB25 23 25 10V

6.

“ ”

7.



6-

1 (ms)= (25J)*1000/ (W)

1000W	25.00ms	750W	33.33ms	500W	50.00ms

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

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

第六章 服务与维修

1-

2-

400-900-9588

第七章 保修声明

1-

2-

1
2
3
4
5
6