

荧光显示屏规格书

Specification Of Vacuum Fluorescent Display

上海中荧显示技术有限公司

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FLUORESCENT DISPLAY CO., LTD

Type: No. 20100-1C19

Application: DVD

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Outer Dimensions:

Panel Length: 100.0 ± 0.5mm

Panel height: 25.0 ± 0.5mm

Panel Thickness 6.5 ± 0.5mm

Lead:

Lead Pitch : 2.54mm

Lead Out: Single Bending Pin

参数 Ratings

项 目 Item	符号 Symbol	最小值 Min	推荐值 Recommended	最大值 Max	单位 Unit
灯丝电压 Filament Voltage	E f	3.2	3.4	3.7	Vac
栅极电压 Grid Voltage	E c	_____	25	30	Vp-p
阳极电压 Anode Voltage	E b	_____	25	30	Vp-p
占空系数 Duty Factor	D u	_____	1/7	_____	_____
脉冲宽度 Pulse Width	T p	_____	80	_____	μs
工作温度 Operating Temp	top	-20	_____	70	℃
储存温度 Storage Temp	T s t g	-55	_____	80	℃
发 光 颜 色 Color Of Illumination	绿 Green				













项 目 Item	符号 Symbol	测试条件 Test condition	最小值 Min	典型值 Typical	最大值 Max	单位 Unit
灯丝电流 Filament current	If	Ef = 3.4Vac Eb=ec=0	118	124	127	mAac
阳极电流 Anode Current	ib	Ef=3.4Vac Eb=25Vp-p Ec=25Vp-p Du=1/7 Tp=80μs (笔端全选)	10			mAp-p
栅极电流 Grid Current	ic		12			mAp-p
亮度 Luminance	L(G)		350 (102)	700 (204)	——	Cd/m ² (fl)
	L(R)		35 (10)	70 (20)	——	Cd/m ² (fl)
	L(Y)		60 (17)	120 (34)	——	Cd/m ² (fl)
	——		——	——	——	Cd/m ² (fl)
位间亮度比 Luminance Ratio	Lmin/Lmax		50	——	——	%
栅极截止电压 Grid Cut-off voltage	Ecco	Ef=3.4Vac Eb=25Vdc	-4.5	——	——	Vdc
阳极截止电压 Anode Cut-off voltage	Ebco	Ef=3.4Vac Eb=25Vdc Du=1/7 Tp=80μs	-4.5	——	——	Vdc

注意事项：

1. 灯丝电压对显示管的预期寿命和显示质量（发光亮度和均匀性）有较大的影响；所以灯丝电压应在规定的范围内使用。
2. 本规定中的阳栅电压指的是加在阳栅极上实测电压；不含截止电压，截止电压应在此基础上再加。

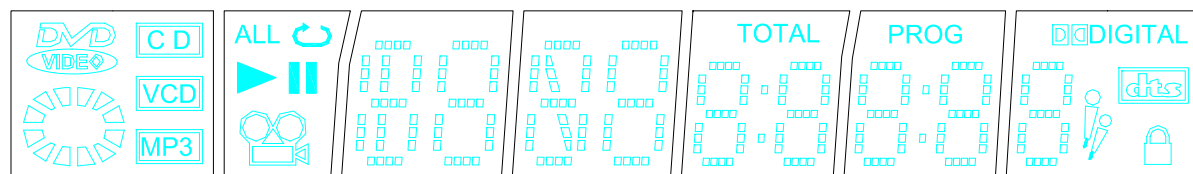
若在某些场合要超出本规格书使用范围，事前要与本公司商。

ANODE CONNECTI ON

P \ G	1G	2G	2G'	3G	4G	5G	6G
P1	s 1	—	 DIGITAL	d	d	d	d
P2	s 2	—		e	e	e	e
P3	s 3	—		c	c	c	c
P4	s 4	—		g	g	g	g
P5	s 5		—	f	f	f	f
P6	s 6		—	b	b	b	b
P7	s 7		—	a	a	a	a
P8	s 8	ALL	—	—	—	COL	COL
P9	s 9		—	h	h	TOTAL	PROG
P10	s 10	—	d	d1	d1	d1	d1
P11	s 11	—	e	e1	e1	e1	e1
P12	s 12	—	c	c1	c1	c1	c1
P13		—	g	g1	g1	g1	g1
P14		—	f	f1	f1	f1	f1
P15		—	b	b1	b1	b1	b1
P16		—	a	a1	a1	a1	a1

MODEL : ZYC20100-1C19
 ANODE CONNECTI ON
 21-Aug-2002

GRID ASSIGNMENT & PATTERN DETAILS



1G

2G

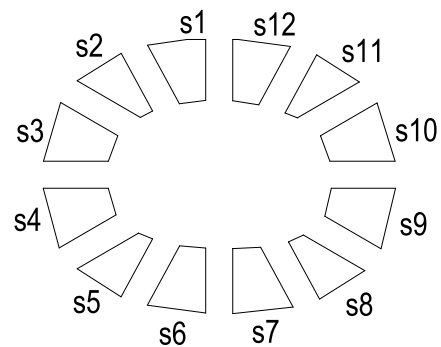
3G

4G

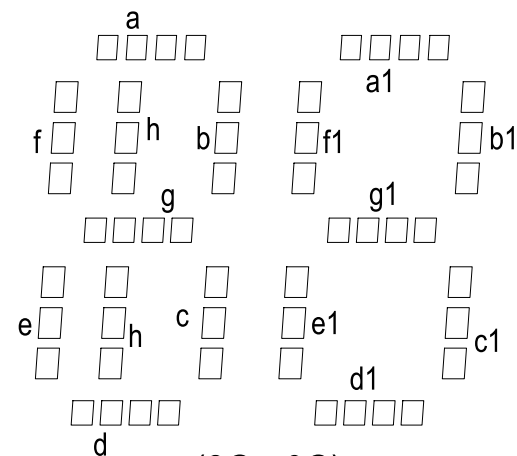
5G

6G

2G'



(1G)



(2G - 6G)

颜色 (COLOR OF ILLUMINATION)

green ——— all

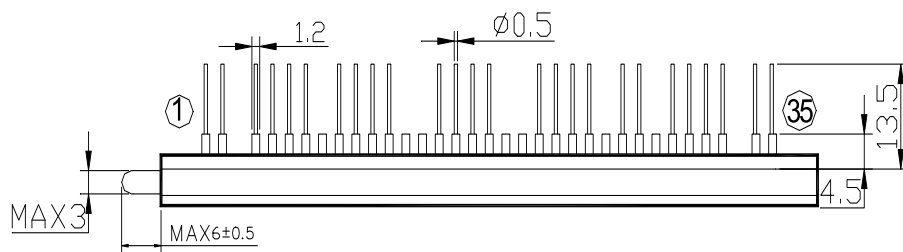
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GRID ASSIGNMENT

PATTERN DETAIL

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Technical drawing of a rectangular pattern. The main view shows a rectangle with a central "PATTERN AREA". Dimensions include a total width of 100 ± 0.5 , a central width of 74, and side widths of 13 ± 0.5 and 13. The total height is 20.5 ± 0.5 , with a central height of 9 and side heights of 5 and 0.5. A small feature on the left has a width of 3.5. The bottom edge has a series of small rectangular protrusions, with a total width of $86.36 (2.54 \times 34)$ and individual widths of 6.82 ± 0.5 and 6.35 ± 0.5 . A cross-section view on the right shows a rectangular profile with a width of 1.8, a height of 1.3, and a central hole with a diameter of ϕ . The bottom edge of the cross-section has a width of 2.5 and a height of 13.5.



端子序号	1	2	3	4	5	6	7	8	9	10	11	12
端子连接	F	F	NP	P1	P2	P3	P4	NC	P5	P6	P7	P8
端子序号	13	14	15	16	17	18	19	20	21	22	23	24
端子连接	NC	NC	P9	P10	P11	P12	NC	NC	P13	P14	P15	P16
端子序号	25	26	27	28	29	30	31	32	33	34	35	
端子连接	NC	G1	G2	NC	G3	G4	G5	G6	NP	F	F	

F: FILAMENT NX: NO ENTENDED PIN G: GRID PIN P: ANODE PIN NP: NO PIN

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OUTER DIMENSIONS
21-Aug-2002

FNAME REVDATE