



型号 Type: VFD33-1002N
用途 Application: 影碟机DVD

外形尺寸	Outer Dimensions	
长	Panel Length	90.0±1.0mm
宽	Panel Height	33.0±1.0mm
厚	Panel Thickness	8.0±0.7mm

引出端子	Lead	
端子间距	Lead Pitch	2.0mm
端子引出形式	Lead Out	单列折弯 Single Bending Pin

参数 Ratings

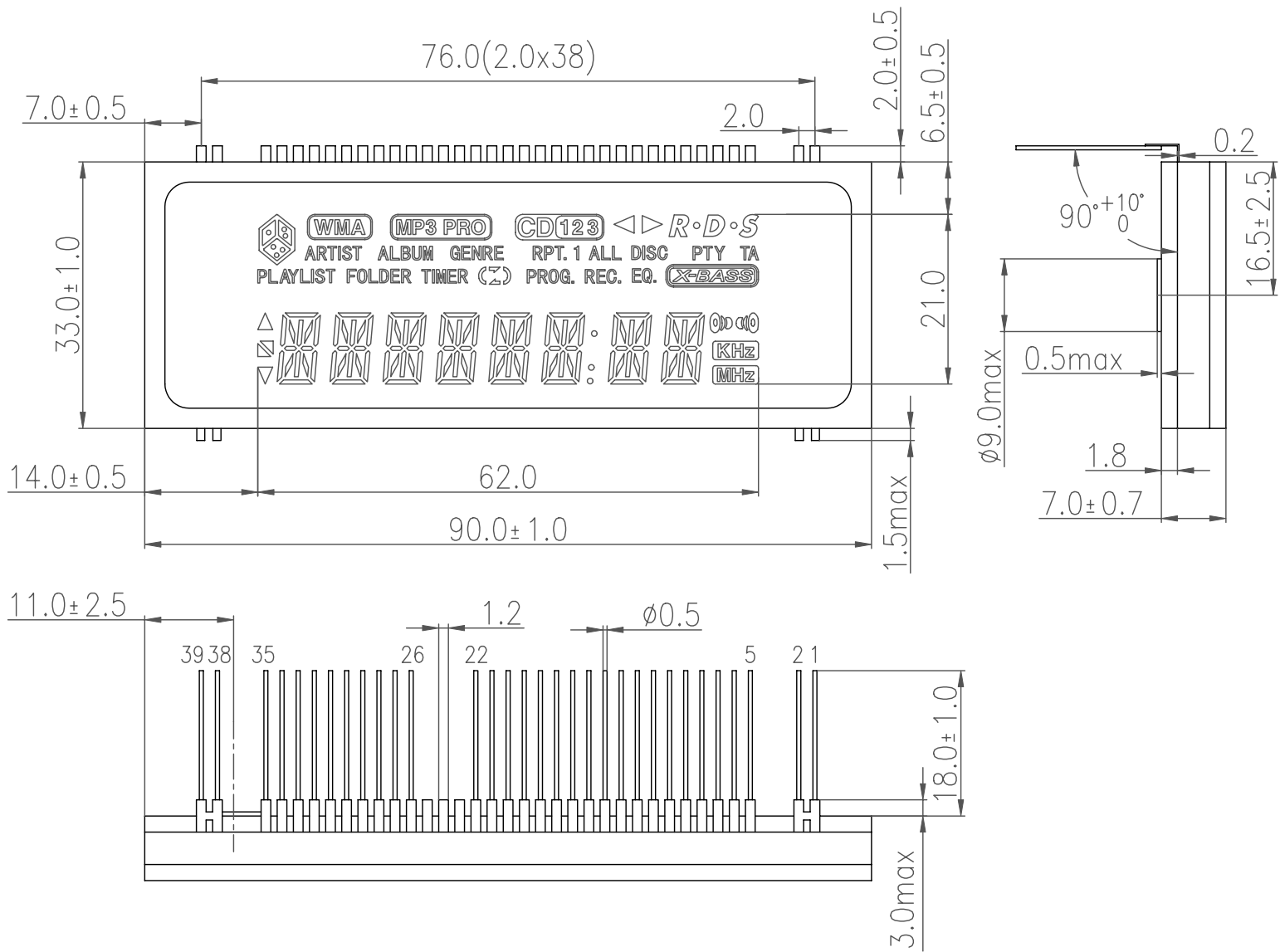
项 目 Item	符 号 Symbol	最小值 Min	推荐值 Recommended	最大值 Max	单位 Unit
灯丝电压 Filament Voltage	Ef	3.2	3.5	3.9	Vac
栅极电压 Grid Voltage	ec	—	30.0	33.0	Vp-p
阳极电压 Anode Voltage	eb	—	30.0	33.0	Vp-p
占空系数 Duty Factor	Du	—	1/11	—	—
脉冲宽度 Pulse Width	tp	—	100	—	μs
工作温度 Operating Temp	Top	-20	—	+70	℃
储存温度 Storage Temp	Tstg	-55	—	+80	℃
发 光 颜 色 Color of Illumination	绿 Green 红 Red 黄 Yellow				

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=3.5 Vac eb=ec=0	175.5	195.0	214.5	mAac
阳极电流 Anode Current	ib/1G,2G	Ef=3.5 Vac eb=30.0 Vp-p ec=30.0 Vp-p Du=1/11 tp=100 μs (笔段全亮)	—	18.0	36.0	mAp-p
	ib/3G		—	13.5	27.0	mAp-p
	ib/5G,10G		—	10.0	20.0	mAp-p
	ib/4G,6G~9G		—	9.0	18.0	mAp-p
	—		—	—	—	mAp-p
栅极电流 Grid Current	ic/1G,2G		—	20.0	40.0	mAp-p
	ic/3G		—	15.0	30.0	mAp-p
	ic/5G,10G		—	12.0	24.0	mAp-p
	ic/4G,6G~9G		—	10.0	20.0	mAp-p
	—		—	—	—	mAp-p
亮度 Luminance	L(G)		350 (102)	700 (240)	—	cd/m ² (fL)
	L(R)		35 (10.2)	70 (20.4)	—	cd/m ² (fL)
	L(Y)		60 (17.5)	120 (35.0)	—	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=3.5 Vac Eb=30.0 Vdc	-7.0	—	—	Vdc
阳极截止电压 Anode Cut-off Voltage	Ebco	Ef=3.5 Vac ec=30.0 Vp-p Du=1/11 tp=100 μs	-7.0	—	—	Vdc

注：驱动方式 动态

Drive mode: Dynamic state

附图 1：外形图 Outline Drawing (Unit:mm)

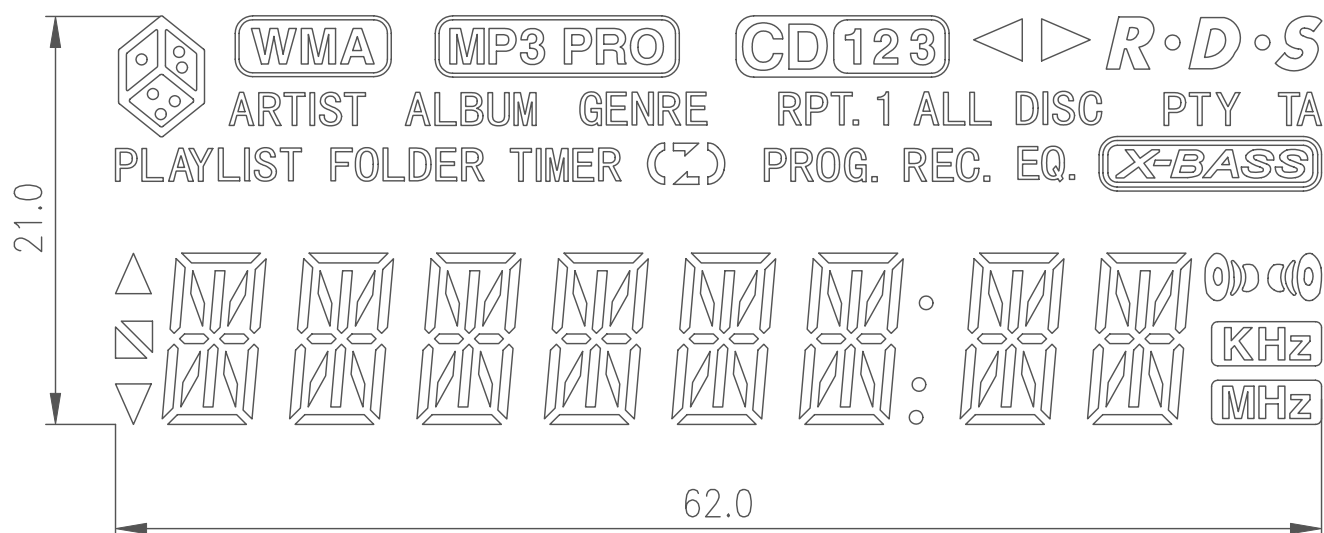


管脚连接 (PIN CONNECTION)

端子序号 (PIN NO.)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
连接 (CONNECTION)	F1	F1	NP	NP	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	P1	P2	P3	P4	P5	P6
端子序号 (PIN NO.)	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
连接 (CONNECTION)	P7	P8	NC	NC	NC	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	NP	NP	F2	F2	

注 : F1 F2:灯丝 (Filament) P: 阳极 (Anode) G: 栅极 (Grid) NC: 无连接 (No connection) NP: 无引出脚 (No pin)

附图 2: 显示内容 Display Pattern

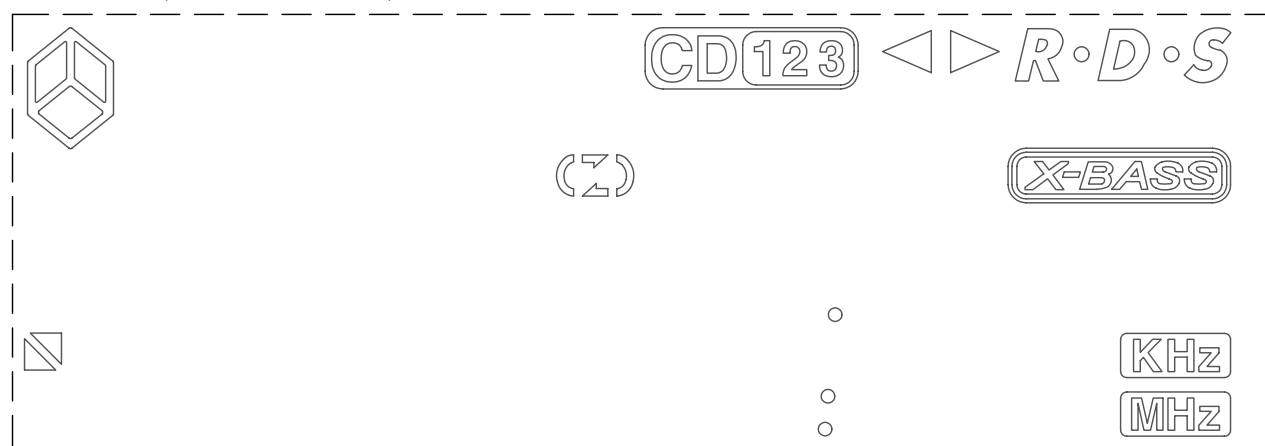


显示颜色 Colour of illumination:

红色 Red (X=0.627 Y=0.371):



黄色 Yellow: (X=0.463 Y=0.520):

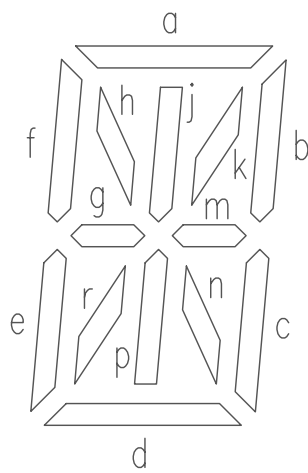
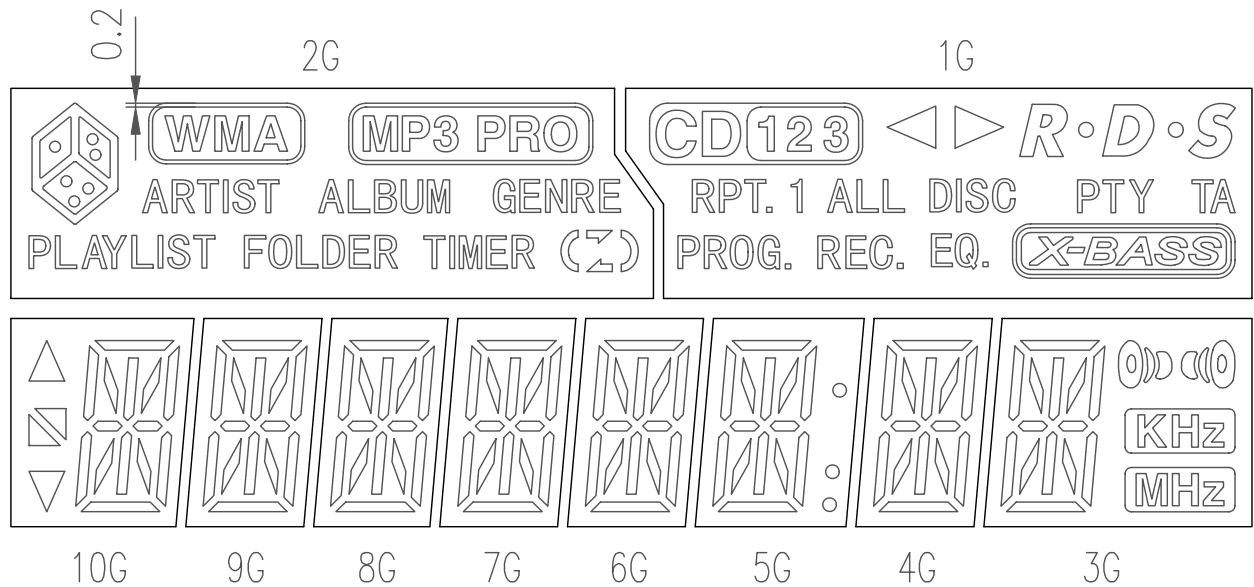


绿色 Green (X=0.250 Y=0.440): 其他 Other

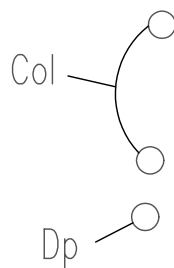
阴图形 Negative Pattern:



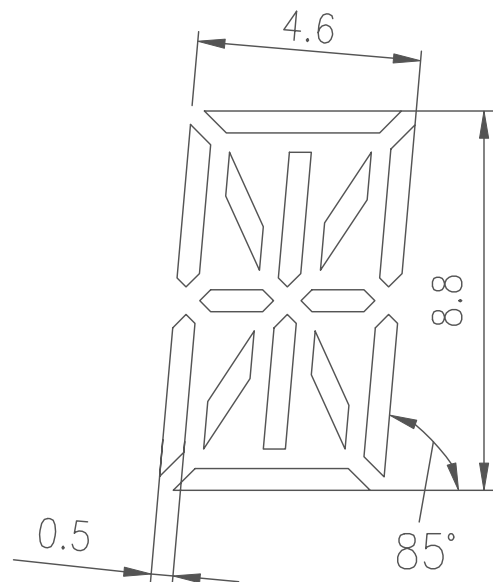
附图 3: 栅网分割 Grid Assignment



(3G~10G)



(5G)



附图 4: 阳极连接 Anode Connection

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	a	a	a	a		
P2	b	b	b	b	b	b	b	b		EQ.
P3	f	f	f	f	f	f	f	f		PROG.
P4	h	h	h	h	h	h	h	h		TA
P5	j	j	j	j	j	j	j	j	PLAYLIST	PTY
P6	k	k	k	k	k	k	k	k	FOLDER	DISC
P7	g	g	g	g	g	g	g	g	TIMER	1
P8	m	m	m	m	m	m	m	m	GENRE	ALL
P9	c	c	c	c	c	c	c	c	ARTIST	
P10	e	e	e	e	e	e	e	e	ALBUM	1(CD)
P11	n	n	n	n	n	n	n	n		2
P12	p	p	p	p	p	p	p	p	WMA	3
P13	r	r	r	r	r	r	r	r	 (WMA)	
P14	d	d	d	d	d	d	d	d	MP3	
P15						Col			PRO	REC.
P16						Dp			 (MP3 PRO)	RPT.
P17										<i>R•D•S</i>
P18										