

User's Guide

C-25-0629

VFD

(Vacuum Fluorescent Character Display Module)

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Vacuum Fluorescent Display Specification

PART NUMBER: C-25-0629

FEATURES: 9 Digits, Alphanumeric, with Icons – DVD

APPLICATION: DVD- Character Display
(Alphanumeric)

RATINGS: Below

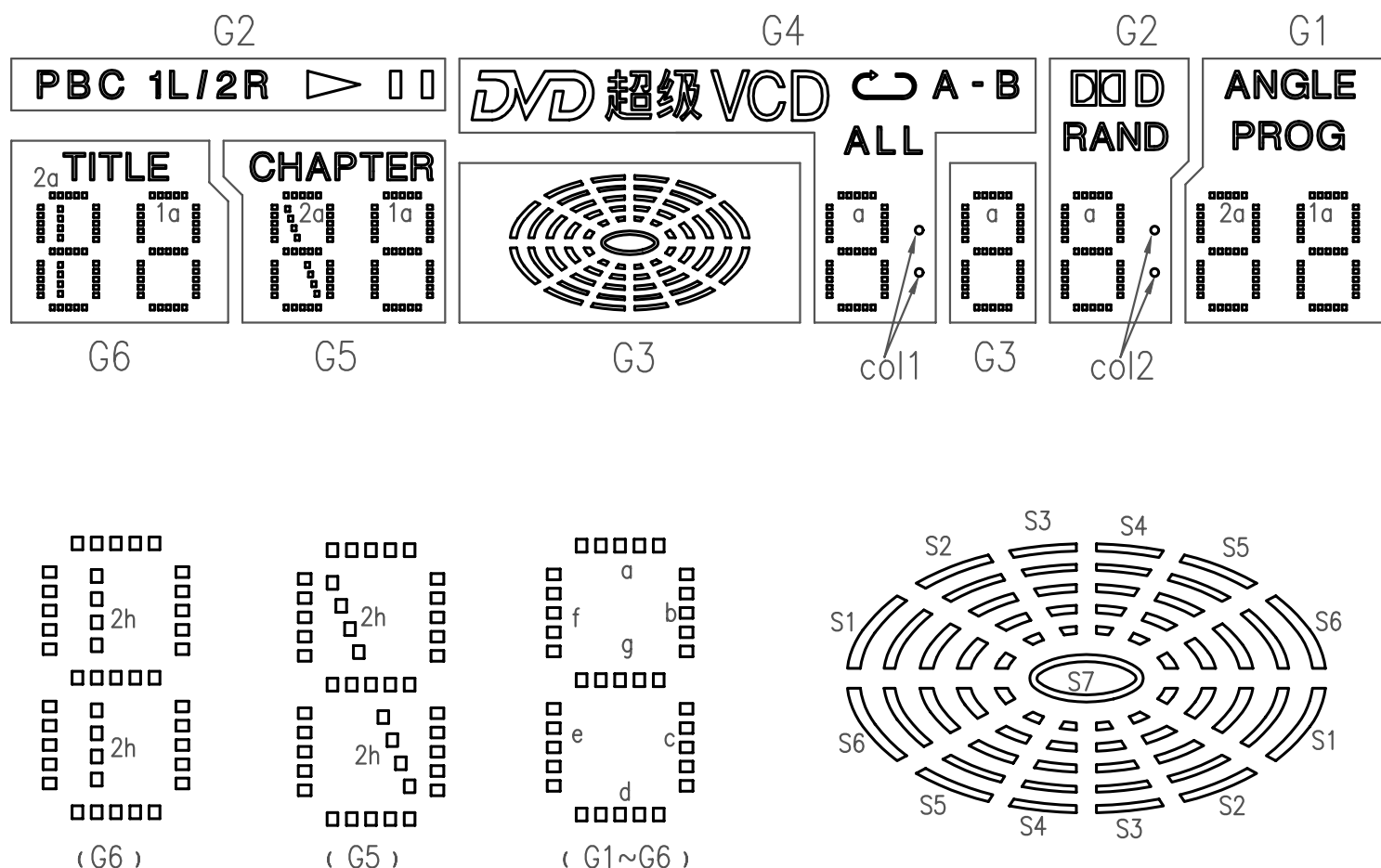
Outer Dimensions	Panel Length	P.L.	100.0	mm	
	Panel Height	P.H.	25.0	mm	
	Panel Thickness	P.T.	6.5	mm	
Leads	Lead Pitch	L.P.	2.54	Mm	
	Lead Out	-	SIL		
Character Size	Character Height	C.H.	-	mm	
	Character Width	C.W.	-	mm	
Item	Symbol	Min.	Recommended	Max.	Unit
Filament Voltage	Ef	3.15	3.5	3.85	Vac
Peak Grid Voltage	Ec	-	20.0	22.0	Vp-p
Peak Anode Voltage	Eb	-	20.0	22.0	Vp-p
Cut-off Bias	Ek	-	-	-	-
Duty Cycle	Du	-	1/7	-	-
Pulse Width	Tp	-	100	-	uS
Operating Temperature	Topr	-20	-	+ 80	C
Storage Temperature	Tstg	-55	-	+ 85	C
Color of Illumination	Green / Ysh.O / Ysh.G				

Electrical Characteristics

Item	Symbol	Test Condition	Min.	Typical	Max.	Unit
Filament Current	If -	Ef = 3.5 Vac eb = ec = 0	126.0 -	140.0 -	154.0 -	mAac -
Anode Current	ib/6G ib/5G ib/1G ib/2,3G ib/4G	Ef = 3.5 Vac eb = 20.0 Vp-p ec = 20.0 Vp-p Du = 1/7 tp = 100 uS	-	3.0	6.0	mA _{p-p}
			-	4.0	8.0	mA _{p-p}
			-	5.0	10.0	mA _{p-p}
			-	7.0	14.0	mA _{p-p}
			-	9.0	18.0	mA _{p-p}
Grid Current	ic/6G ic/1,5G ic/2G ic/3,4G -		-	5.0	10.0	mA _{p-p}
			-	7.0	14.0	mA _{p-p}
			-	9.0	18.0	mA _{p-p}
			-	11.0	22.0	mA _{p-p}
			-	-	-	mA _{p-p}
Luminance	L(G) L(Ysh.G) L(Ysh.O)		350 (102)	700 (204)	-	cd/m ² (fL)
			140 (41)	280 (82)		cd/m ² (fL)
			60 (17)	120 (34)		cd/m ² (fL)
Luminance Ratio	Lmin/Lmax		50	-	-	%
Grid Cut-off Voltage	Ecco	Ef = 3.5 Vac Eb = 20.0 Vdc	-4.5	-	-	Vdc
Anode Cut-off Voltage	Ebco	Ef = 3.5 Vac ec = 20.0 Vp-p Du = 1/7 tp = 100 uS	-4.5	-	-	Vdc

Drive Mode: Dynamic State

附图2：显示内容及栅极分割（Display Pattern And Grid Assignment）



显示颜色（color of illumination）：

黄橙色（Ysh.O）： **PBC** **DVD 超级** **D** S2, S5
 (x=0.527,y=0.465)

黄绿色（Ysh.G）： S1, S4
 (x=0.292,y=0.617)

绿色（Green）： 其余（Others）
 (x=0.250,y=0.440)

附图 3: 阳极连接 (Anode Connection)

	G6	G5	G4	G3	G2	G1
P1	TITLE	CHAPTER			PBC	ANGLE
P2	2h	2h	超级	s7	1L	PROG
P3	2d	2d	VCD	s6	/	2d
P4	2e	2e	DVD	s5	2R	2e
P5	2c	2c	C	s4	△	2c
P6	2g	2g	A	s3	□□	2g
P7	2f	2f	-B	s2	DDD	2f
P8	2b	2b	ALL	s1	RAND	2b
P9	2a	2a	col1		col2	2a
P10	1d	1d	d	d	d	1d
P11	1e	1e	e	e	e	1e
P12	1c	1c	c	c	c	1c
P13	1g	1g	g	g	g	1g
P14	1f	1f	f	f	f	1f
P15	1b	1b	b	b	b	1b
P16	1a	1a	a	a	a	1a