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Septem CERTIFICATION SGS

User's Guide

C-28-0704

VFD

(Vacuum Fluorescent Character Display Module)

-For product support, contact

New haven Display International 2511 Technology Drive #101 E Igin , IL 601 24 Tel: (847) 8 44-8795 Fax: (847) 8 44-8796

October 31, 2006



Vacuum Fluorescent Display Specification

PART NUMBER: C-28-0704

FEATURES: 8 Digits, Seven Segmented, with Icons – DVD, SVCD

APPLICATION: Character Display (7-Seg)

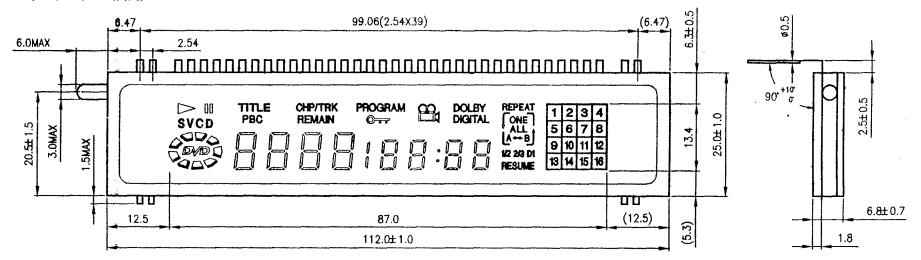
RATINGS: Below

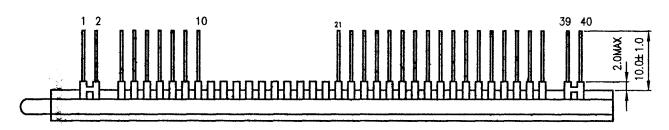
	Panel Length	า	P.L.	112.0	mm			
Outer Dimensions	Panel Height	t	P.H.	25.0	mm			
	Panel Thickr	ness	P.T.	6.8	mm			
Leads	Lead Pitch		L.P.	2.54	Mm			
	Lead Out		-	SIL				
Character Size	Character He	eight	C.H.	Multi	mm			
	Character W	idth	C.W.	Multi	mm			
Item	Symbol	Min.	Recommended	Max.	Unit			
Filament Voltage	Ef	3.9	4.3	4.7	Vac			
Peak Grid Voltage	Ec	-	25.0	28.0	Vp-p			
Peak Anode Voltage	Eb	-	25.0	28.0	Vp-p			
Cut-off Bias	Ek -		-	-	-			
Duty	Du	-	1/8	-	-			
Cycle								
Pulse Width	Тр	-	100	-	uS			
Operating Temperature	Topr	-20	-	+ 70	С			
Storage Temperature	Tstg	-55	-	+ 85	С			
Color of Illumination			Green / Red / Yellow					

Electrical Characteristics

Item	Symbol	Test Condition	Min.	Typical	Max.	Unit
Filament Current	If	Ef = 4.3 Vac	117.0	130.0	143.0	mAac
	-	eb = ec = 0	-	-	-	-
Anode Current	ib/1G	Ef = 4.3 Vac	-	11.0	22.0	mAp-p
	ib/2G	eb = 25.0 Vp-p	-	13.0	26.0	mAp-p
	ib/3,4G	ec = 25.0 Vp-p	-	6.0	12.0	mAp-p
	ib/5,6,7G	Du = 1/8	-	9.0	18.0	mAp-p
	-	tp = 100 uS	-	-	-	mAp-p
Grid Current	ic/1G		-	11.0	22.0	mAp-p
	ic/2G		-	13.0	26.0	mAp-p
	ic/3,4G		-	8.0	16.0	mAp-p
	ic/5,6,7G		-	11.0	22.0	mAp-p
	-		-	-	-	mAp-p
	L(G)		350	700	-	cd/m ²
			(102)	(204)		(fL)
Luminance	L(R)		35	70		cd/m ²
1			(10)	(20)		(fL)
	L(Y)		60	120		cd/m ²
			(17)	(34)		(fL)
Luminance Ratio	Lmin/Lmax		50	-	-	%
Grid Cut-off Voltage		Ef = 4.3 Vac Eb = 25.0 Vdc	-4.5	-	-	Vdc
Anode Cut-off Voltage		Ef = 4.3 Vac ec = 25.0 Vp-p Du = 1/8 tp = 100 uS	-4.5	-	-	Vdc

外形尺寸:(mm)





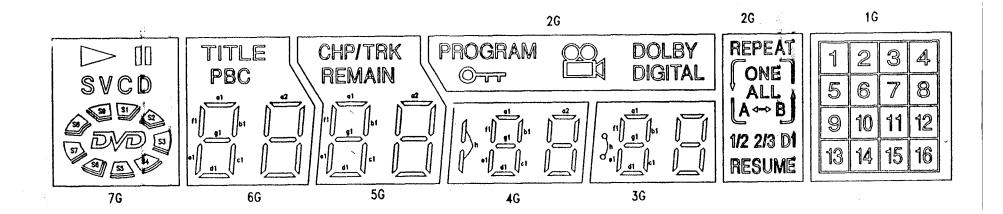
曹脚连接

	声脚序号	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	电极	F	F	Np	7G	6G	5G	4G	3G	2G	1G	Nc	Nc	Nc	Nc						
	声声序号	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Fi	电极	P1	P2	ΡЗ	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	Np	F	F

注:F:灯丝 G:栅极 P:阳 极 Nc:无连脚 Np:无引脚

F= Filament, G= Grid, P= Anode, NC= No Connect, NP= No Pin

栅极分割及显示面



显示颜色: DIAD SVCD DOLBY DIGITAL RESUME SI S4 S7 为红色; III O--- S3 S6 S9 为黄色; 其余为绿色

真值表

	7G	6G	5G	4G	3G	2G	1 G
P1							
P2	Δ	a1	a1	a1	a 1	©	1
Р3	00	b1	b 1	b1	b1	PROGRAM	2
P4	CD	TITLE	CHP/TRK				3
P5	V	c 1	c1	c1	c1	DOLBY DIGITAL	4
P6	S	d1	d1	d1	d1	ALL	5
P7	ÐVÐ	e1	e1	e1	e1	REPEAT	6
P8	S1	f1	f1	f1	f1	ONE	7
Р9	S2	g1	g1	g1	g1		8
P10	S3	PBC	REMAIN	h	h		9
P11	S4	a2	a 2	a2	a2	В	10
P12	S5	b2	b2	b2	b2	A⇔	11
P13	S 6	c2	c2	c2	c2		12
P14	S7	d2	d2	d2	d2	1/2	13
P15	S8	e2	e2	e2	e 2	2/3	14
P16	S9	f2	f2	f2	f2	Di	15
P17		g2	g2	g2	g2	RESUME	16