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User's Guide

C-20-0403F



(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



October 31, 2006

Vacuum Fluorescent Display Specification

PART NUMBER:

C-20-0403F

FEATURES: 6 Digits, Seven Segmented, with Icons – DVD Player

APPLICATION: Character Display (7-Seg)

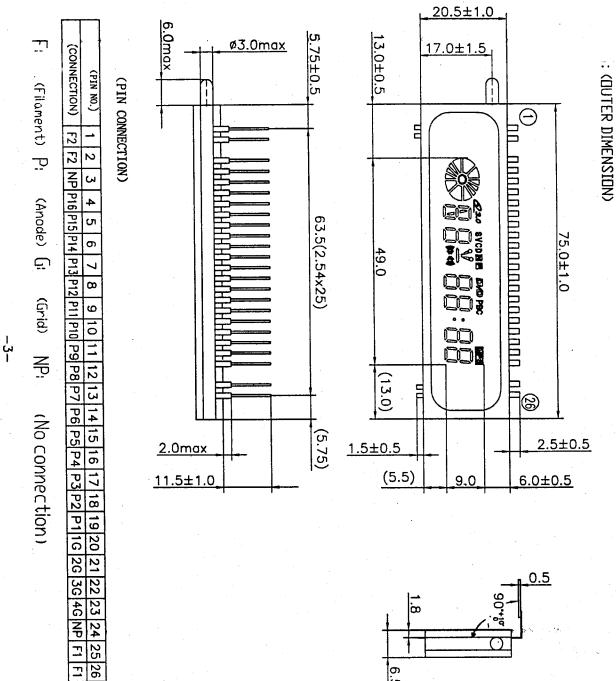
RATINGS: Below

	Panel Length	า	P.L.	75.0	mm
Outer Dimensions	Panel Height	t	P.H.	20.5	mm
	Panel Thickr	iess	P.T.	6.5	mm
Leads	Lead Pitch		L.P.	2.54	mm
	Lead Out		-	SIL	
Character Size	Character Height		C.H.	7.0	mm
	Character W	idth	C.W.	3.2	mm
Item	Symbol	Min.	Recommended	Max.	Unit
Filament Voltage	Ef	2.34	2.6	2.86	Vac
Peak Grid Voltage	Ec	-	21.0	25.0	Vp-p
Peak Anode Voltage	Eb	-	21.0	25.0	Vp-p
Cut-off Bias	Ek	-	-	-	-
Duty	Du	-	1/5	-	-
Cycle					
Pulse Width	Тр	-	100	-	uS
Operating Temperature	Topr	-20	-	+ 70	С
Storage Temperature	Tstg	-40	-	+ 85	С
Color of Illumination	Green / Yellow / Red				

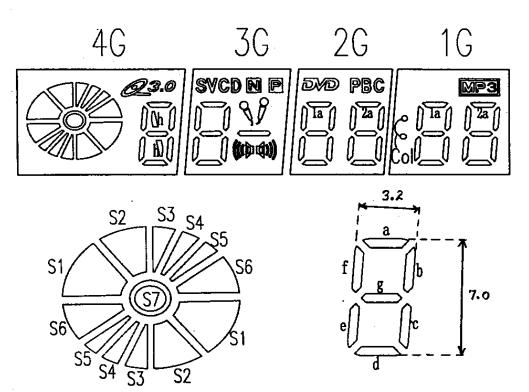
C-20-0403F

Electrical Characteristics

ltem	Symbol	Test Condition	Min.	Typical	Max.	Unit
Filament Current	lf	Ef = 2.6 Vac	99.0	110.0	121.0	mAac
	-	eb = ec = 0	-	-	-	-
Anode Current	ib/1~3G	Ef = 2.6 Vac		5.5	11.0	mAnn
Anode Current	ib/1~3G	eb = 21.0 Vp-p	-	9.0	18.0	mAp-p
	10/4G	ec = 21.0 Vp-p	-			mAp-p
	-	Du = 1/5		-	-	mAp-p
	-	tp = 100 uS	-	-	-	mAp-p
	-	ιp – 100 uS	-	-	-	mAp-p
Grid Current	ic/1~3G		-	5.5	11.0	mAp-p
	ic/4G		_	9.0	18.0	mAp-p
	-		-	-	-	mAp-p
	-		-	-	-	mAp-p
	-		-	-	-	mAp-p
	L(G)		350	700	-	cd/m ²
			(102)	(204)		(fL)
Luminance	L(Y)		60	120		cd/m ²
			(17)	(34)		(fL)
	L(R)		34	68		cd/m ²
			(10)	(20)		(fL)
				*		
	Lmin/Lmax					
Luminance Ratio			50	-	-	%
	Ecco	Ef = 2.6 Vac				
Grid Cut-off Voltage		Eb = 21.0 Vdc	-5.5	-	-	Vdc
Anodo Cut off Voltano	Ebco	Ef = 2.6 Vac	5 5			Vda
Anode Cut-off Voltage		ec = 21.0 Vp-p Du = 1/5	-5.5	-	-	Vdc
		tp = 100 uS				
		μρ = 100 uo		l		



at+06 1.8 $\overline{\mathbf{O}}$ 6.5±0.7



(4G)

(1G-4G)

	4G	3G	2G	1G
P1	S1	\bigvee	1a	1a
P2	S2	CD	1b	1b
Р3	S3 -	P	1f	1f
Ρ4	<u>S</u> 4	8 J	1g	1g
P5	S5		1c	1c
P6	S6		1e	1e
P7	S7	Q)))	1d	1d
P8	@3.0	S	PBC	MP 3
P9	a	a	2a	2a
P10	b	b	2b	2b
P11	f	f	2f	2f
P12	g	g	2g	2g
P13	С	C	2c	2c
P14	е	e	2e	2e
P15	d	d	2d	2d
P16	h	\mathbb{N}	ÐVÐ	Col