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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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User's Guide

D0111LT-33-1101

VFD

(Vacuum Fluorescent Display Character Module)

For product support, contact

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Vacuum Fluorescent Display Specification

PART NUMBER: D0111LT-33-1101

FEATURES: 11 Digits, 7-Segmented, Instrumentation, Scales

APPLICATION: Character Display (7-Segmented)

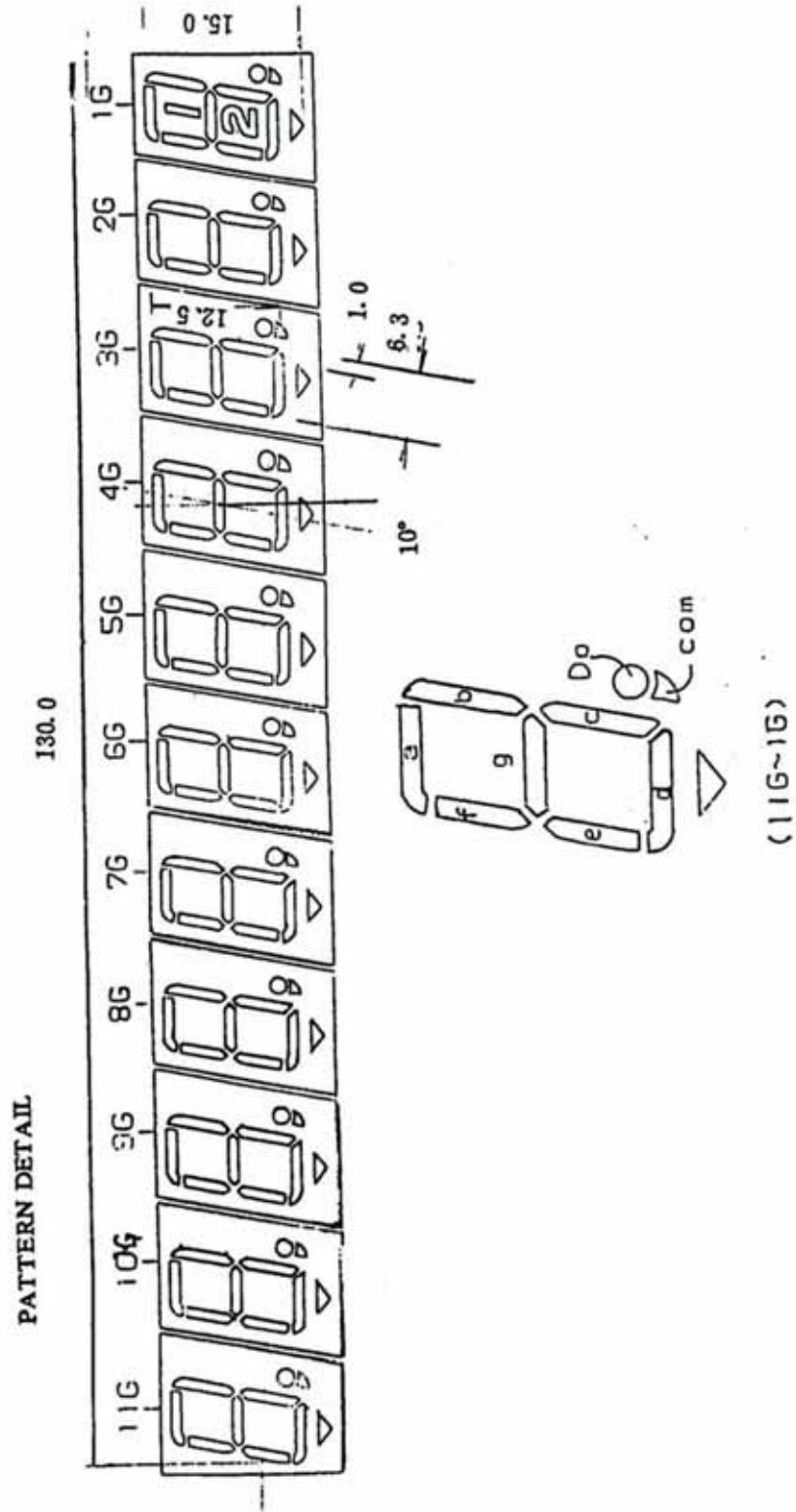
RATINGS: Below

Outer Dimensions	Panel Length	P.L.	160.0	mm	
	Panel Height	P.H.	33.0	mm	
	Panel Thickness	P.T.	8.0	mm	
Leads	Lead Pitch	L.P.	4.0	mm	
	Lead Out	-	SIL		
Character Size	Character Height	C.H.	12.5	mm	
	Character Width	C.W.	6.3	mm	
Item	Symbol	Min.	Recommended	Max.	Unit
Filament Voltage	Ef	5.5	6.1	6.7	Vac
Peak Grid Voltage	ec	-	28.0	36.0	Vp-p
Peak Anode Voltage	eb	-	28.0	36.0	Vp-p
Life	tp	10,000	-	-	Hrs
Duty Cycle	Du	-	1/12.5	-	-
Pulse Width	tp	-	80	-	uS
Operating Temperature	Topr	-40	-	+ 85	C
Storage Temperature	Tstg	-50	-	+ 95	C
Color of Illumination	Green				

D0111LT-33-1101

**Electrical
Characteristics**

Item	Symbol	Test Condition	Min.	Typical	Max.	Unit
Filament Current	if	Ef = 6.1 Vdc	117.0	130.0	143.0	mAdc
	-	eb = ec = 0	-	-	-	-
Anode Current	ib/1G~11G	Ef = 6.1 Vac	-	8.0	17.0	MAp-p
	-	eb = 28.0 Vp-p	-	-	-	MAp-p
	-	ec = 28.0 Vp-p	-	-	-	MAp-p
	-	Du = 1/12.5	-	-	-	MAp-p
	-	tp = 80 uS	-	-	-	MAp-p
Grid Current	ic / 1G~11G	All Segments Lit	-	11.0	18.1	MAp-p
	-		-	-	-	MAp-p
	-		-	-	-	MAp-p
	-		-	-	-	MAp-p
	-		-	-	-	MAp-p
Luminance	L(G)		343	686	-	cd/m ²
	-		(100)	(200)		fL
Luminance Ratio	Lmin/Lmax		50	-	-	%
Grid Cut-off Voltage	Ecco	Ef = 6.1 Vdc eb = 28.0 Vdc All Segments Lit	-7.0	-	-	Vdc
Anode Cut-off Voltage	Ebco	Ef = 6.1 Vac ec = 28.0 Vp-p Du = 1/12.5 tp = 80uS	-7.0	-	-	Vdc



ANODE CONNECTION

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	a	a	a	a	a	a	a
P2	b	b	b	b	b	b	b	b	b	b	b
P3	c	c	c	c	c	c	c	c	c	c	c
P4	d	d	d	d	d	d	d	d	d	d	d
P5	e	e	e	e	e	e	e	e	e	e	e
P6	f	f	f	f	f	f	f	f	f	f	f
P7	g	g	g	g	g	g	g	g	g	g	g
P8	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp
P9	COM	COM	COM	COM	COM	COM	COM	COM	COM	COM	COM
P10	-	▽	▽	-	▽	▽	-	▽	▽	-	▽
P11	-	-	-	-	-	-	-	-	-	▽	-
P12	-	-	-	-	-	-	▽	-	-	-	-
P13	-	-	-	▽	-	-	-	-	-	-	-
P14	▽	-	-	-	-	-	-	-	-	-	-
P15	-	-	-	-	-	-	-	-	-	-	g
P16	-	-	-	-	-	-	-	-	-	-	g