

D0107LT-33-0701A_Rev1A

Vacuum Fluorescent Display Module

RoHS Compliant

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Document Revision History

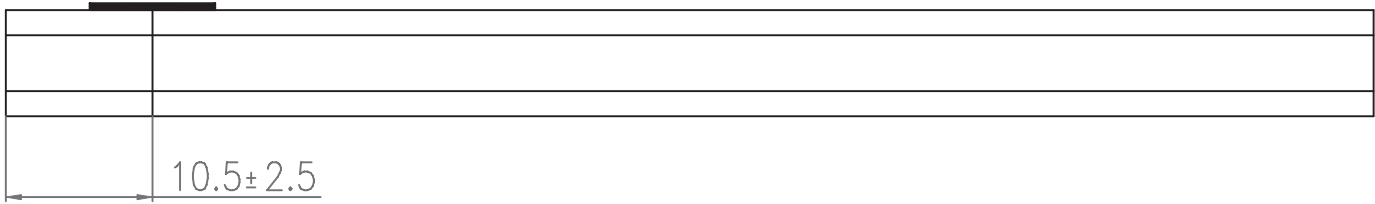
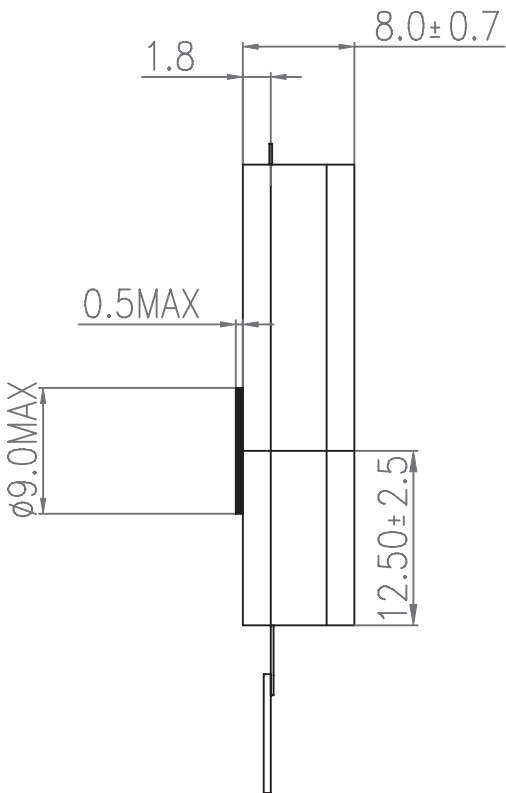
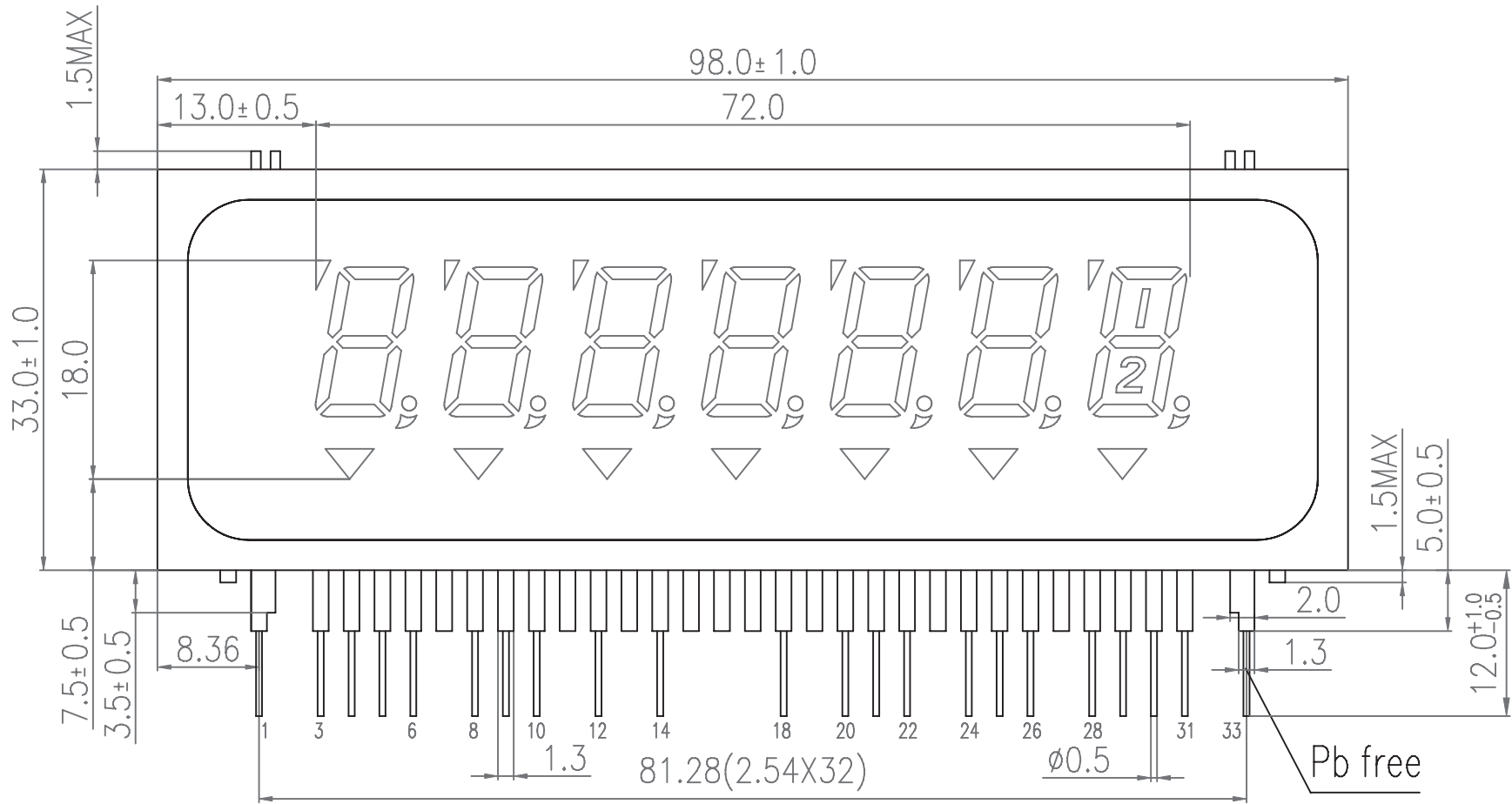
Revision	Date	Description	Changed by
0	4/26/03	Initial Release	-
1	6/2/20	Datasheet Reformat, Inclusion of 2D Mechanical Drawing Part Upgraded to Rev1A	AS
2	6/23/20	Inclusion of Grid Assignment & Anode Connection	AS

Functions and Features

- 7 Digits
- 7-Segmented
- Character Display (7-Segmented)

Mechanical Drawing

SYMBOL	REVISION	DATE



(PIN CONNECTION)

(PIN NO.)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(CONNECTION)	F	NP	P1	P2	P3	7G	NX	P4	P5	6G	NX	P6	NX	5G	NX	NX	NX	4G
(PIN NO.)	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33			
(CONNECTION)	NX	P7	P8	3G	NX	P9	P10	2G	NX	P11	P12	1G	P13	NP	F			

Note : F: (Filament) P: (Anode) G: (Grid) NP: (No pin) NX: (No extend pin)

- Notes:
- 1. Panel Length: 98.0 +/- 1.0mm
 - 2. Panel Height: 33.0 +/- 1.0mm
 - 3. Panel Thickness: 8.0 +/- 0.7mm
 - 4. Illumination Color: Green

STANDARD TOLERANCE: (UNLESS OTHERWISE SPECIFIED)	NEWHAVEN DISPLAY INTERNATIONAL	
LINEAR: ±0.3mm	DRAWING/PART NUMBER: NHD-0107LT-33-0701A	REVISION: 1A
UNLESS OTHERWISE SPECIFIED: - DIMENSIONS ARE IN MILLIMETERS - THIRD ANGLE PROJECTION	DRAWN BY: A. Shah APPROVED BY: A. Shah DRAWN DATE: 6/2/20 APPROVED DATE: 6/2/20	SIZE: A3 SCALE: NS
DO NOT SCALE DRAWING		SHEET 1 OF 1
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AB

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DG	Tr	Tr	Tr	Tr	Tr	Tr	Tr	←
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P8	DP	DP	DP	DP	DP	DP	DP	D
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	9									

P13	a	a	a	a	a	a	a	E
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F

F

Electrical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Temperature Range	T _{OP}	Absolute Max	-20	-	+70	°C
Storage Temperature Range	T _{ST}	Absolute Max	-55	-	+80	°C
Filament Voltage	E _F	-	2.97	3.3	3.63	Vac
Peak Grid Voltage	E _C	-	31.5	35	38.5	Vp-p
Peak Anode Voltage	E _B	-	31.5	35	38.5	Vp-p
Filament Current	I _F	E _F = 3.3Vac E _B = E _C = 0	121	135	149	mAac
Anode Current	I _B /1G-7G	E _F = 3.3Vac E _B = 35.0Vp-p E _C = 35.0Vp-p D _U = 1/10 T _P = 100 μS	-	6	12	mA _{p-p}
Grid Current	I _B /1G-7G		-	7	14	mA _{p-p}
Luminance	L _G		430	860	-	Cd/m ²
Luminance Ratio	L _{max} /min	-	-	-	2	-
Grid Cut-off Voltage	E _{CCO}	E _F = 3.3Vac E _B = 35.0Vdc	-4	-	-	Vdc
Anode Cut-off Voltage	E _{BCO}	E _F = 3.3Vac E _C = 35.0Vdc D _U = 1/10 T _P = 100 μS	-2	-	-	Vdc
Duty Cycle	D _U	-	-	1/10	-	-
Pulse Width	T _P	-	-	100	-	μS

Mouser Electronics

Authorized Distributor

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