



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Item No. **AH1018BB**

DS26431

Rev.	Spec. No.	Date(M-D-Y)
0	P-R	Dec-03-08
1	T-R	Sep-21-11

1. Ratings

Parameter	Symbol	MIN	TYP	MAX	Unit
Operating Temperature	To	-40	—	+85	°C
Storage Temperature	Ts	-50	—	+85	°C
Filament Voltage	Ef #1	4.2	4.7	5.2	Vac
Grid Voltage	ec #2	—	26.0	31.0	Vp-p
Anode Voltage	eb #2	—	26.0	31.0	Vp-p
Color of illumination	Green (G)				

2. Electrical Characteristics

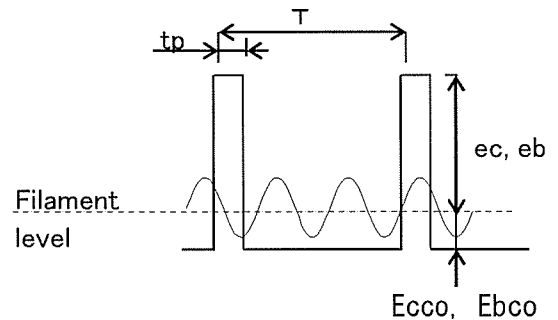
Parameter	Symbol	Test Conditions	MIN	TYP	MAX	Unit
Filament Current	If	Ef= 4.7 Vac #1 ec=eb= 0 V	33.0	37.0	41.0	mAac
Grid Current	ic #3	Ef= 4.7 Vac #1 ec= 26.0 Vp-p #2 eb= 26.0 Vp-p #2	—	2.5	5.0	mA _{p-p}
Anode Current	ib #3	Ef= 4.7 Vac #1 ec= 26.0 Vp-p #2 eb= 26.0 Vp-p #2	—	2.5	5.0	mA _{p-p}
Luminance	L	Ef= 4.7 Vac #1 ec= 26.0 Vp-p #2 eb= 26.0 Vp-p #2	350 (100)	— —	—	cd/m ² (fL)
Grid Cut-Off Voltage	Ecco #4	Ef= 4.7 Vac #1 Eb= 26.0 Vdc	-5.0	—	—	Vdc
Anode Cut-Off Voltage	Ebco #4	Ef= 4.7 Vac #1 ec= 26.0 Vp-p #2	-5.0	—	—	Vdc

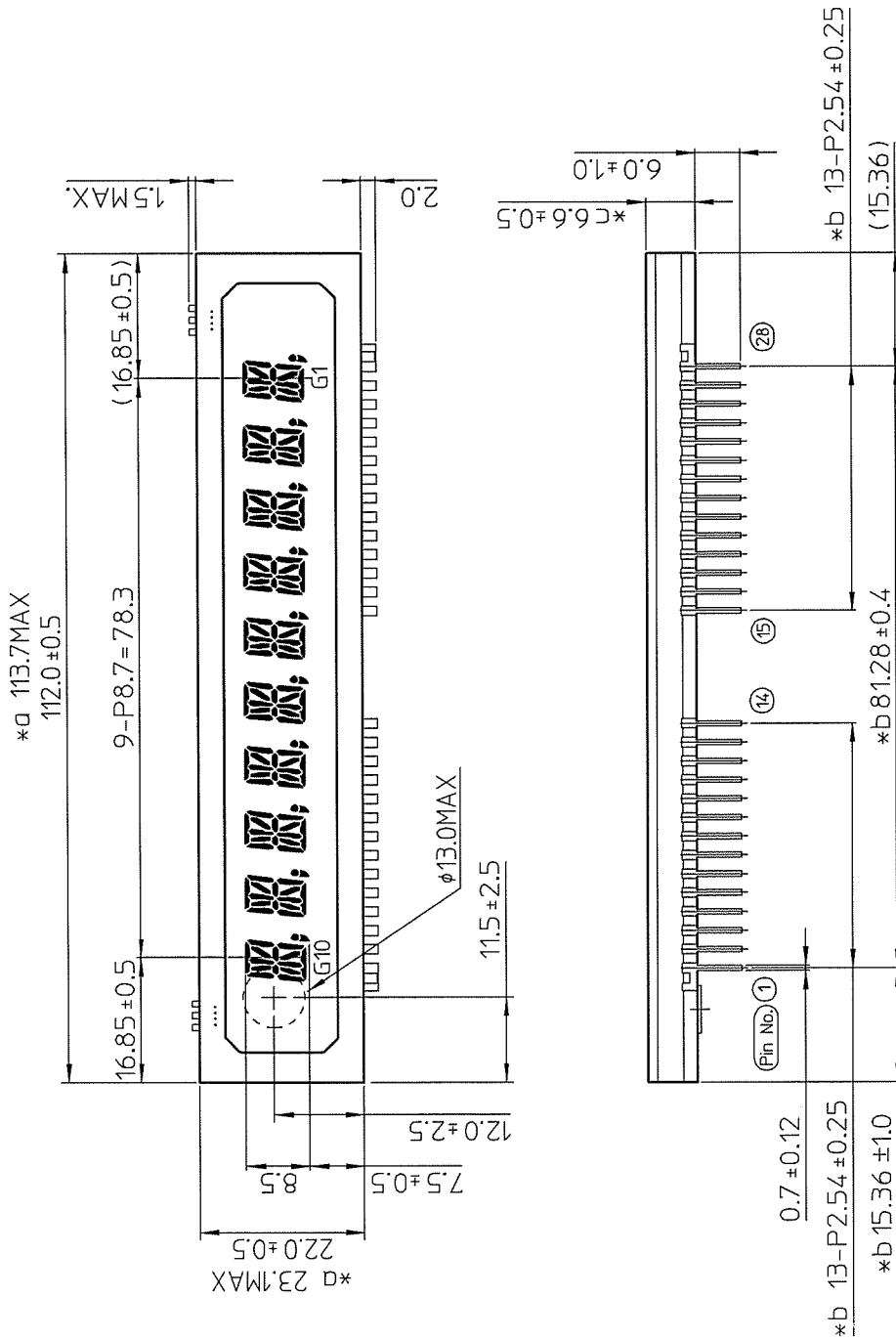
#1 Effective value of AC 50Hz or 60Hz.

#2 Pulse condition Duty cycle (Du) = 1/12 (tp/T)
Pulse width (tp) = 100 μ sec.

#3 Unless specified, ic and ib are measured per grid,
when all anodes are turned on.

#4 Ecco and Ebco are applied to the center-tap
of the filament transformer.

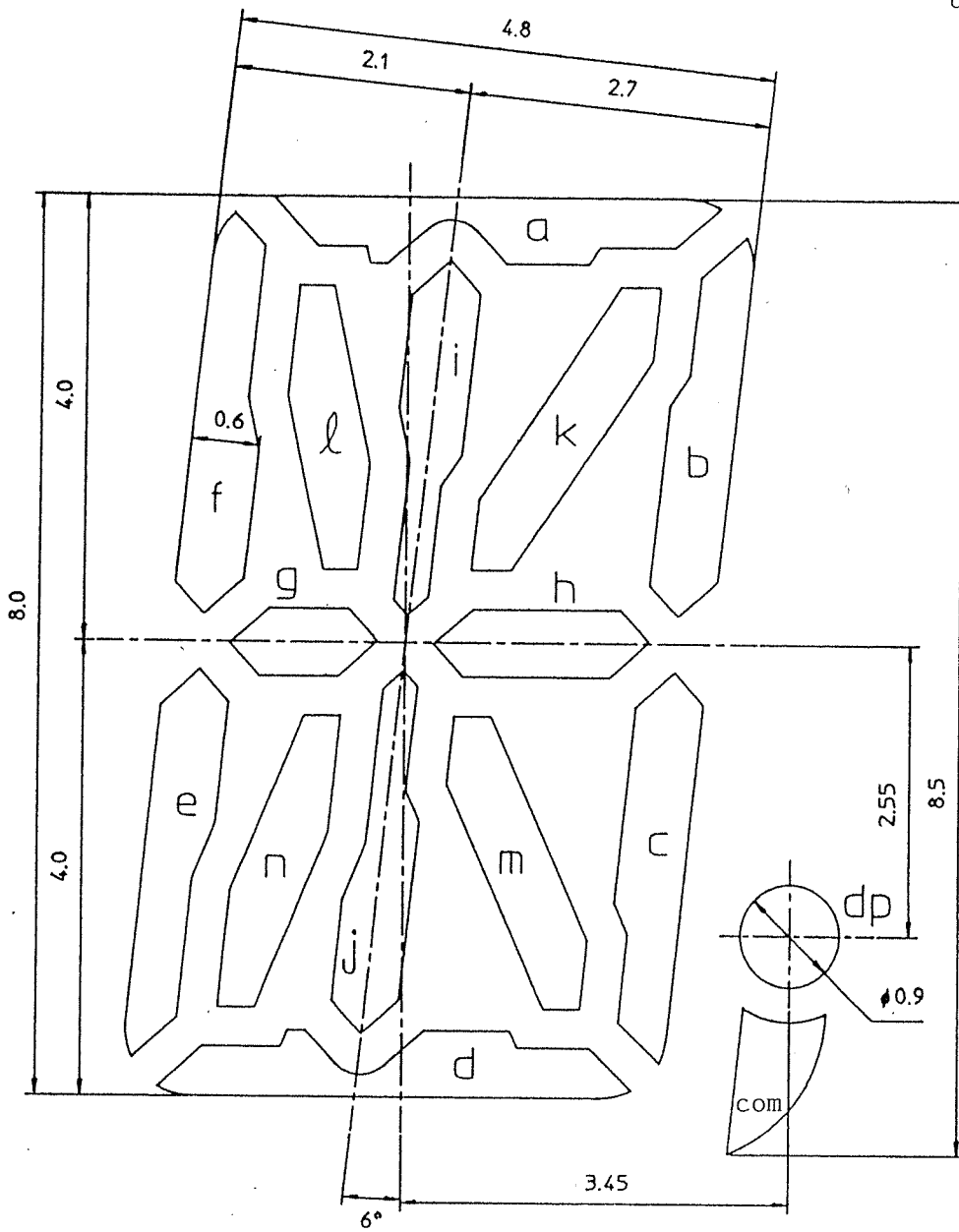




LEAD DETAIL

- *a フリットのみ出しを含む寸法とする。
Included extra frit glass.
- *b 基板底面より3mmの位置の寸法とする。
Within 3 mm from bottom of the glass substrate.
- *c 排気孔栓の厚みを含まない。
This size does not include the thickness of a lid.

Scale 15:1
Unit: mm



Pin Assignment

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Assignment	F	Pk	Pi	Pl	Pn	Pm	Pj	Pc	Pd	G10	G9	G8	G7	G6
Pin No.	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Assignment	G5	G4	G3	G2	G1	Pcom	Pdp	Pe	Ph	Pg	Pf	Pb	Pa	F

Note F:Filament P:Anode G:Grid