

Noritake itron

SPECIFICATION OF VACUUM FLUORESCENT DISPLAY NORITAKE CO., LIMITED

To:

No. T-545

Type Name AM1619B

Rev.	Spec.No.	Date(M-D-Y)
		JAN-18-'96

1. Ratings

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating Temp.	To	-40	-	+85	°C
Storage Temp.	Ts	-50	-	+100	°C
Filament Voltage	Ef #1	5.6	6.2	6.8	Vac
Grid Voltage	ec #2	-	31.0	37.0	Vp-p
Anode Voltage	eb #2	-	31.0	37.0	Vp-p
Color of Illumination	Blue-green (G)				

2. Electrical Characteristics

Parameter	Sym.	Test condition	Minimum	Typical	Maximum	Unit
Filament Current	If	Ef=6.2 Vac #1 ec=eb=0V	67.0	75.0	83.0	mAac
Grid Current	ic #3	Ef=6.2 Vac #1 ec=31.0Vp-p #2 eb=31.0Vp-p #2	-	9.0	15.0	mA _{p-p}
Anode Current	ib #3		-	9.0	15.0	mA _{p-p}
Luminance	L	G	350 (102)	-	-	cd/m ² (fL)
Grid Cut-off Voltage	Ecco #4	Ef=6.2 Vac #1 Eb=31.0Vdc	-7.5	-	-	Vdc
Anode Cut-off Voltage	Ebco #4	Ef=6.2 Vac #1 ec=31.0Vp-p #2	-4.0	-	-	Vdc

#1 Effective value at 50 or 60 Hz sine wave

#2 Pulse condition Duty factor (tp/T)= 1/20

Pulse width (tp) = 80 μsec

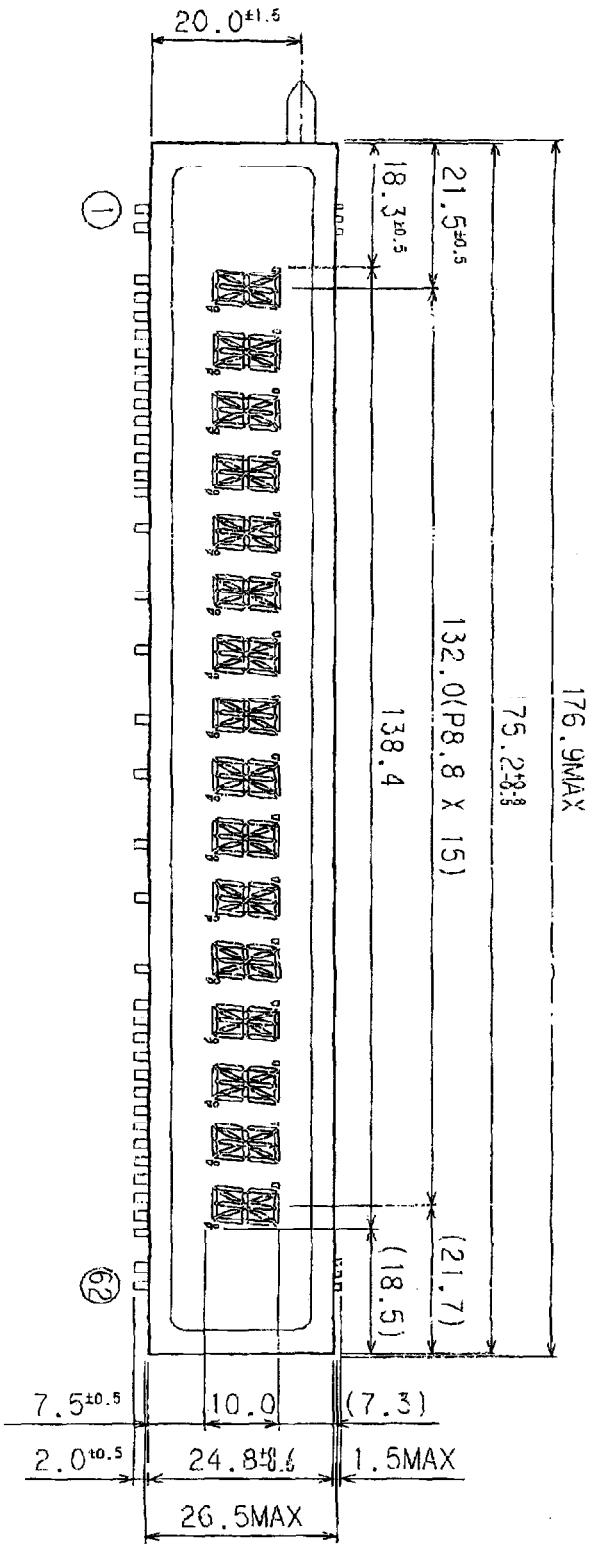
#3 Unless specified, the grid and anode current are measured per each grid, when all anodes turned on.

#4 With respect to center-top-of filament transformer.

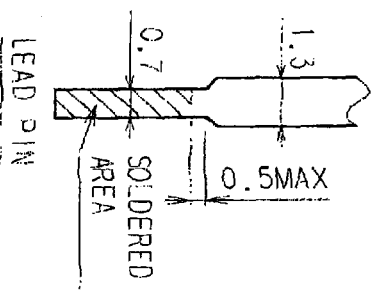
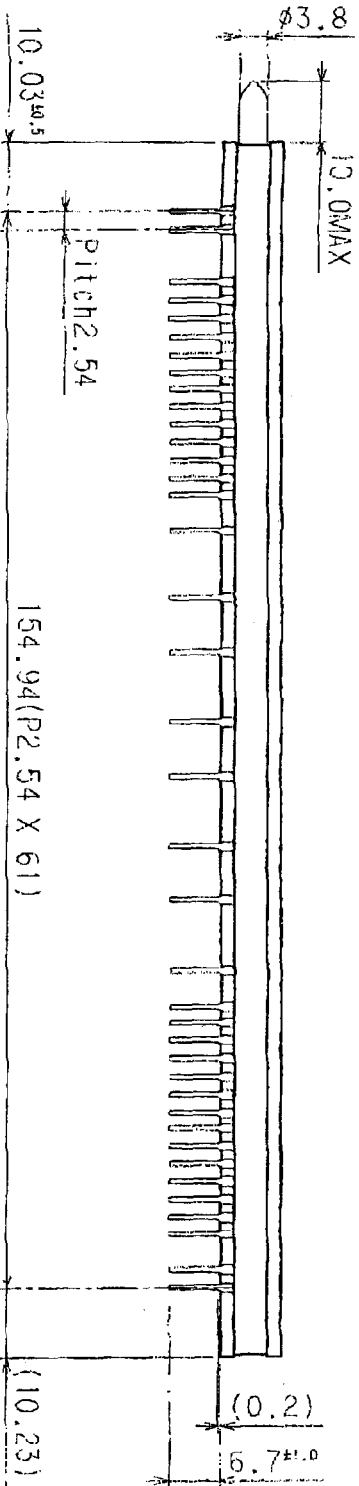
DRW	CHK	CHK	APRD
JAN.18.'96	Jan.18,'96	Jan.19.'96	Jan.19,'96
H.Imamura	Seiji-m	H.Yamanaka	K.Uchiyama

064-3-157

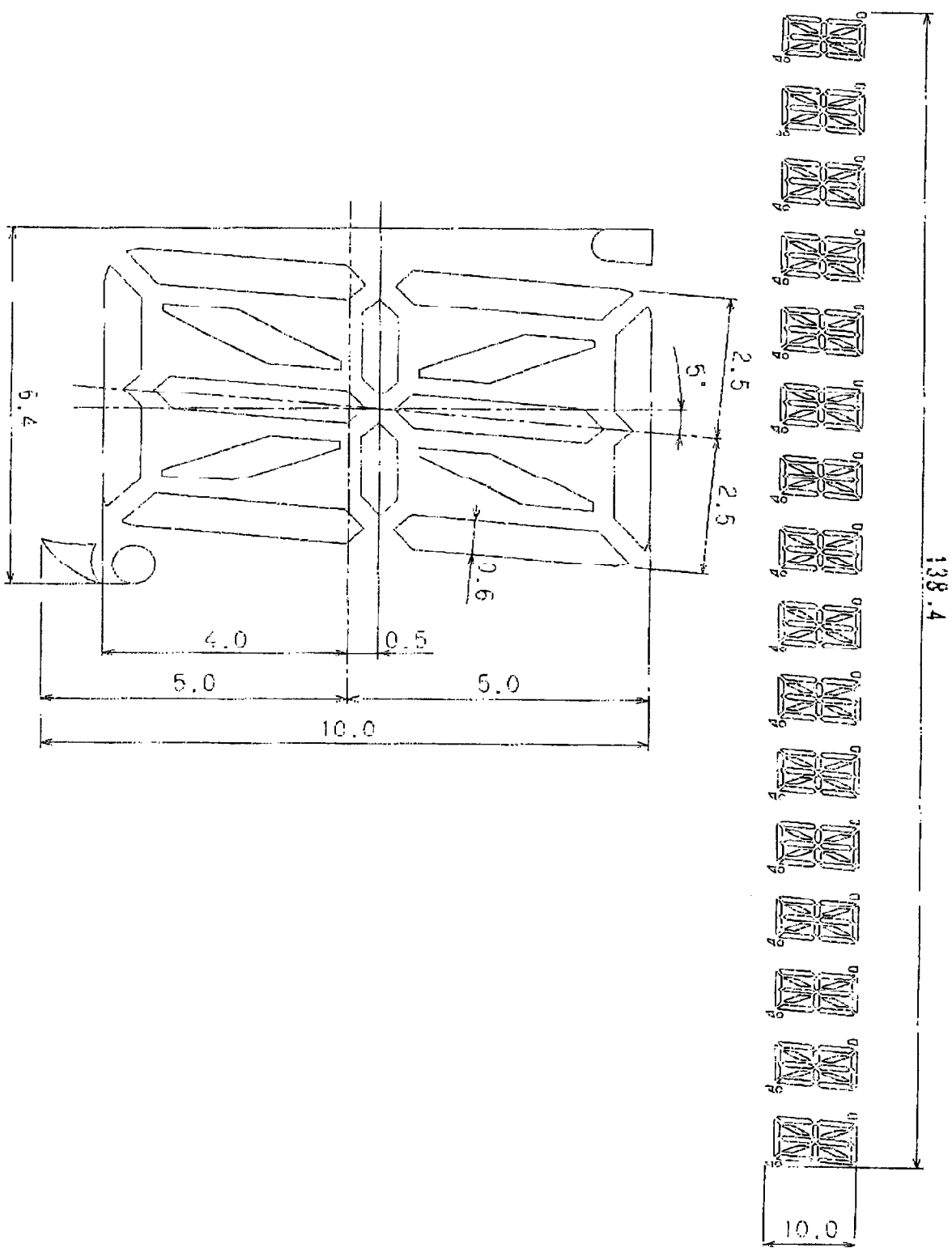
TYPE : AM1619B
 EXTERNAL DIMENSIONS



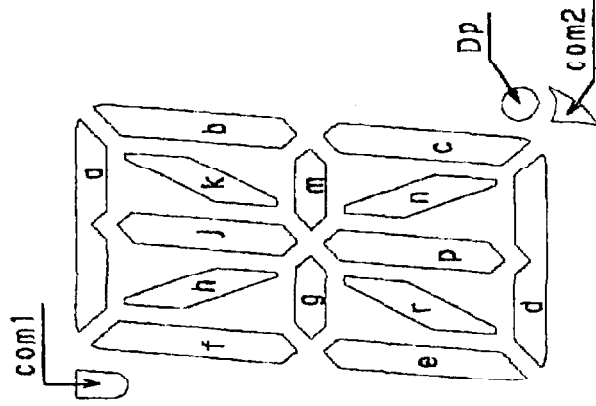
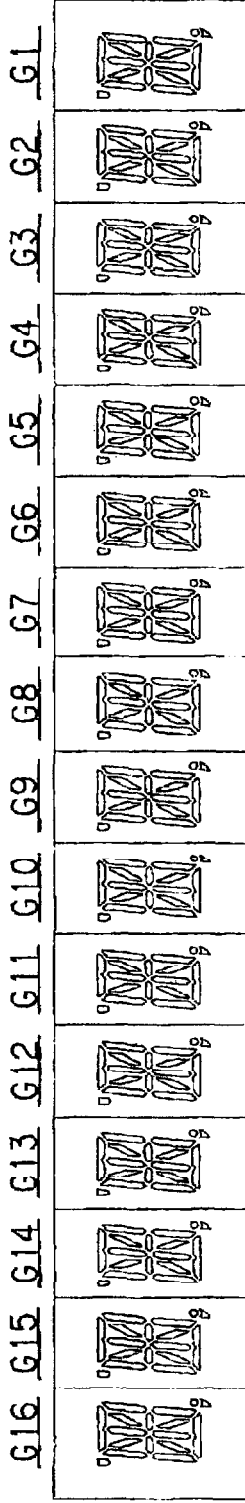
(1) Unit : mm
 (2) () : Reference only



TYPE : AM1619B
DISPLAY PATTERN (scale=1.5/1)



TYPE : AM1619B
 ANODE & GRID ASSIGNMENT



PIN ASSIGNMENT

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Assignment	F1	F1	NP	NP	G16 ^{com1}	J	n	G15	k	m	G14	n	r	p	G13	NC	NP	G12	NP	NP	NP	G11	NP	NP	G10	NP	NP	NP	NP	NP	G9	NP
Pin No.	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
Assignment	NP	G8	NP	NP	NP	NP	NP	NP	G6	NP	NP	NP	G5	NP	com ²	34	d	DP	e	G3	c	g	b	f	a	G1	NC	NP	F2	F2		

F1,F2:Filament G1~G16:Grid c~h,J,K,m,n,p,r,com1,com2,DP:Anode NP:No Pin