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itron[®] Vacuum Fluorescent Display

Type Name

DC409E2A

Date 04/09/85

No. P-R

S958

Specification
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1. Ratings

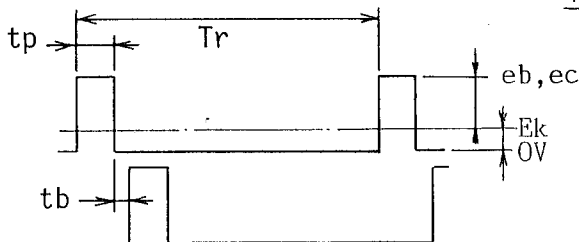
		Minimum	Typical	Maximum	Unit
Operating Temperature	To	-40	-	+85	°C
Storage Temperature	Ts	-50	-	+85	°C
Filament Voltage	Ef	8.7	9.7	10.7	Vac #1
Grid Voltage	ec	-	45.0	54.0	Vp-p #2
Anode Voltage	eb	-	45.0	54.0	Vp-p #2
Color of Illumination:		Blue-green			

2. Electrical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Filament Current	If	Ef= 9.7 Vac #1 eb=ec= 0V	70.0	78.0	86.0	mAc
Grid Current #3	ic	Ef= 9.7 Vac #1 ec= 45.0 Vp-p#2 eb= 45.0 Vp-p#2	-	10.0	20.0	mAp-p
Anode Current #3	ib	Duty= 1/50 tp= 100 μ sec.	-	15.0	30.0	mAp-p
Luminance	L		100	-	-	fL
Grid Cut-Off Voltage #4	Ecco	Ef= 9.7 Vac #1 Eb= 45.0 Vdc	-9.0	-	-	Vdc
Anode Cut-Off Voltage #4	Ebco	Ef= 9.7 Vac #1 ec= 45.0 Vp-p#2	-6.0	-	-	Vdc

3. Note #1: Effective value at 50 or 60 Hz sine-wave.
 #2: Peak-to-peak voltage.
 #3: Unless specified, the anode and grid current is measured per each grid, when all anodes turned on.
 #4: With respect to the filament center-tap.

4. Recommendation

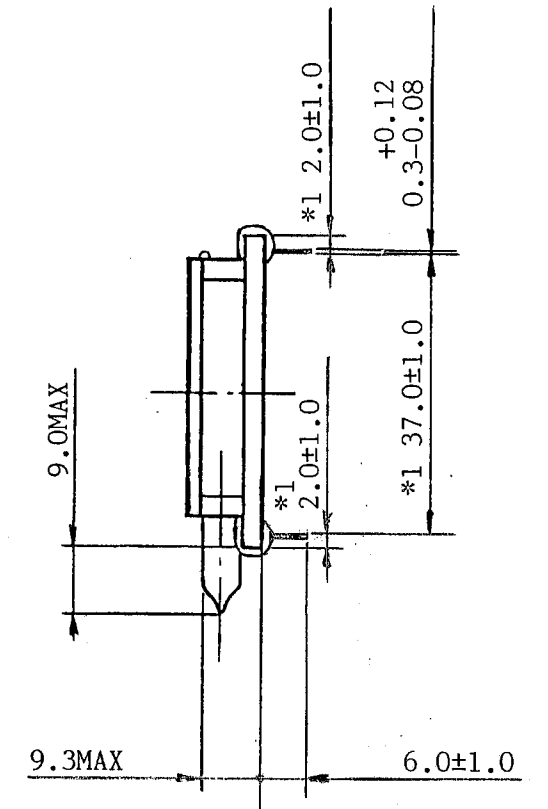
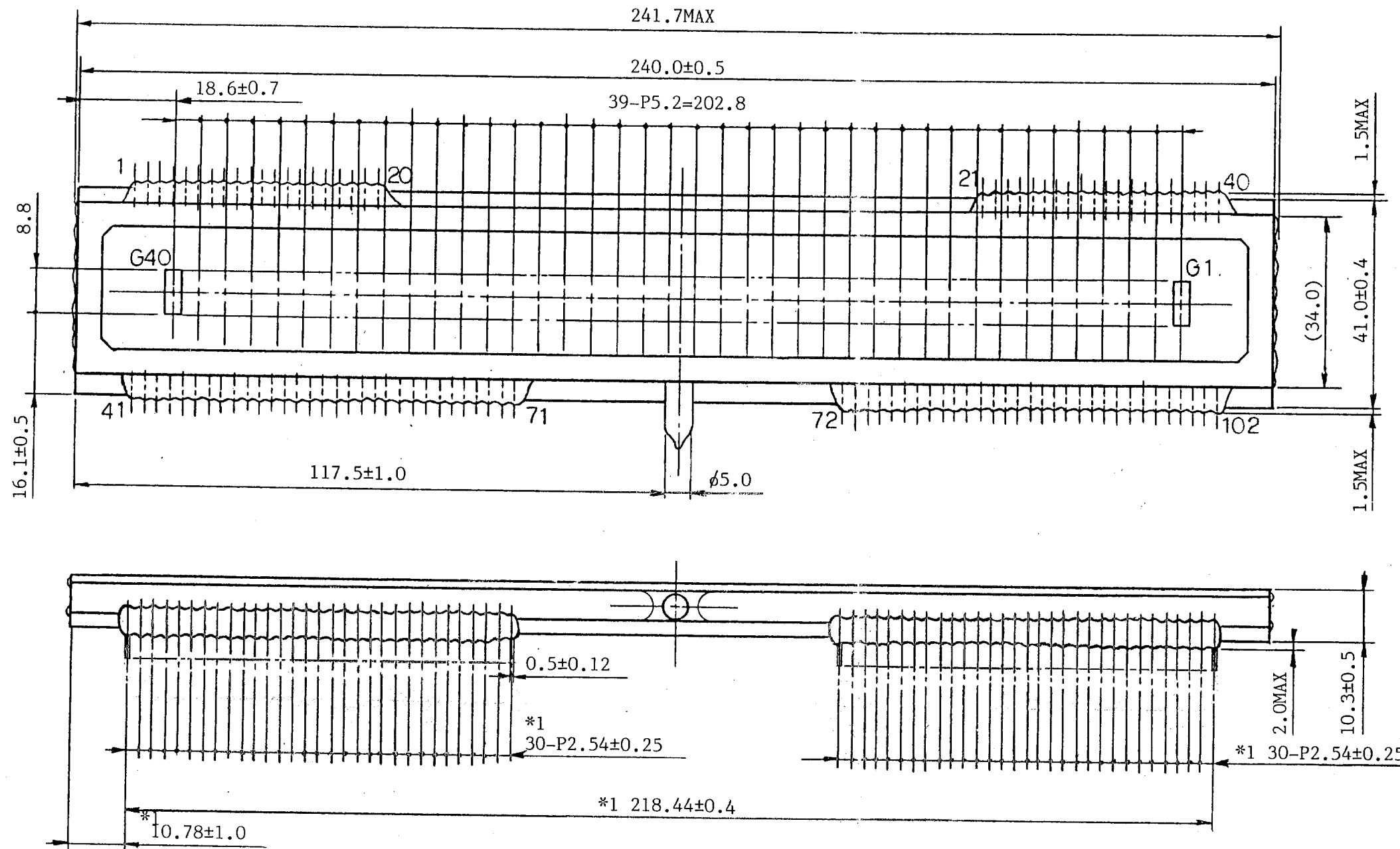


Ef= 9.7 Vac (Sine-wave or pulse)
 Ek= 6.0 Vdc (Cathode bias)
 eb=ec= 45.0 Vp-p
 Duty = $t_p/T_r = 1/50$
 $t_p = \mu$ sec.
 $t_b = \mu$ sec. (Interdigit blanking)

This specification is subject to change without notice. 064-3-223.5A

ISE ELECTRONICS CORPORATION
 Quality Assurance Div.
 Products Engineering Dept.
 P.O.Box 46, Ise, Mie, Japan

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NOTE *1 : Within 3 mm from bottom of the glass substrate.

DC409E2A: Display Pattern

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