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ifron[®] Vacuum Fluorescent Display

Type Name DC409E2A Date 04/09/85 P-R

S958

Specification

1. Ratings

		Minimum	Typical	Maximum	Unit
Operating Temperature	То	-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-gree	n		

2. Electrical Characteristics

-	ectrical tharacterist	C3		·			
	Item	Symbol	Condition	Min.	Тур.	Max.	Unit
	Filament Current	If	Ef= 9.7 Vac #1 eb=ec= 0V	70.0	78.0	86.0	mAac
	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
giā.	Anode Current #3	ib	Duty= 1/50 tp= 100	_	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 #4 Voltage	Ebco	Ef= 9.7 Vac #1 ec= 45.0 Vp-p#2	1		_	Vdc

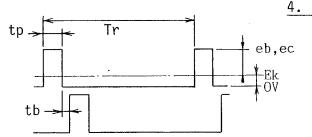
3. Note #1: Effective value at 50 or 60 Hz sine-wave.

#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

9.7 Vac (Sine-wave or pulse)6.0 Vdc (Cathode bias) Ef=

Ek=

eb=ec= 45.0 Vp-p

Duty = tp/Tr = 1/50

tp= µsec. tb=

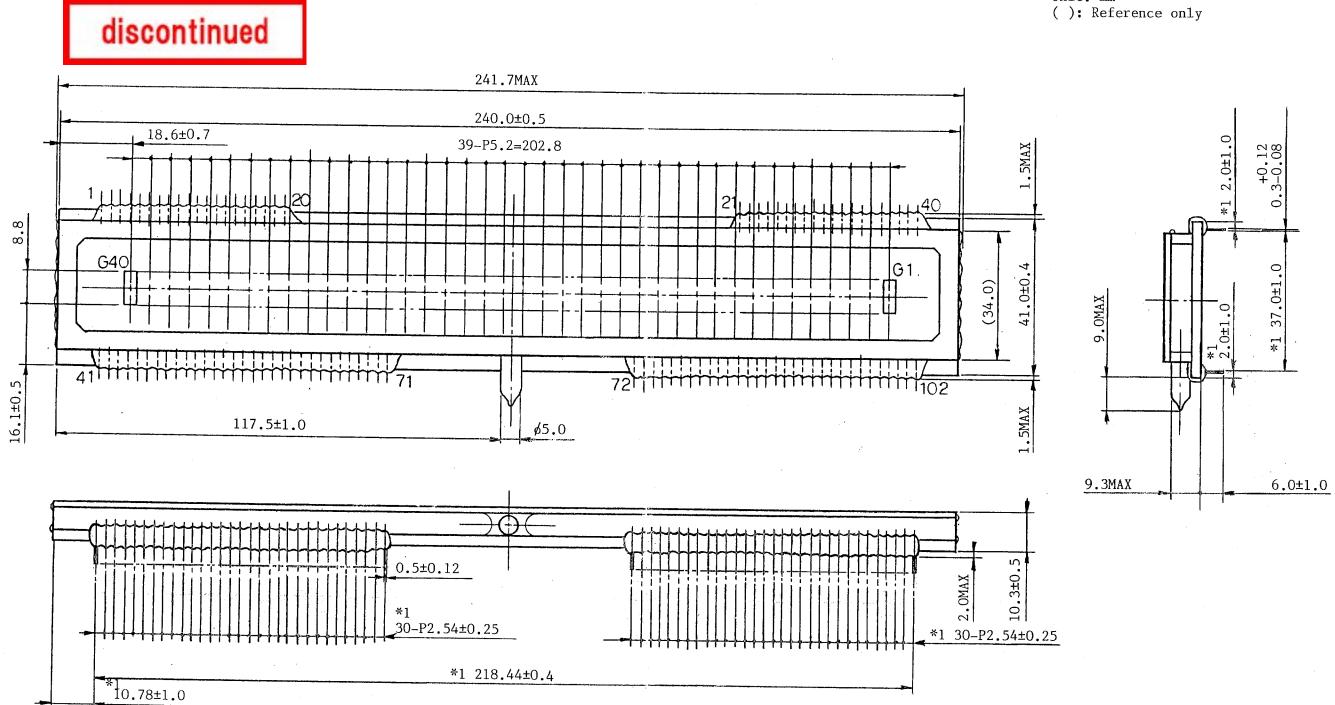
ușec. (Interdigit blanking)

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

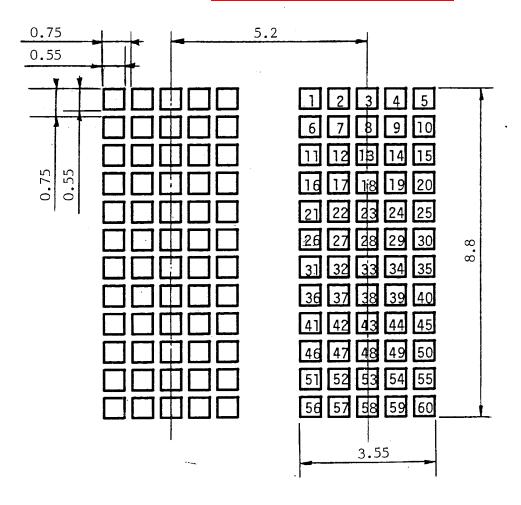
1/4 Form#PM7520 Sht



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

DC409E2A: Display Pattern

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DC409E2A: Pin Assignment

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Pin Assignm Pin No. Assignment	1	2 P34	3 P33	4 P32	5 P31	6 P25	7 P24	8 P23	9. P22	10 P21	11 P15,	12 P14	13 P13	14 P12	15 P11	16 P5	1.7 P4	18 P3	19 P2	20 P1
	21 P6	22 P7	23 P8	24 P9	25 P10	26 P16	27 P17	28 P18	29 P19	30 P20	31 P26	32 P27	33 P28	34 P29	35 P30	36 P36	37 P37	38 P38	39 P39	40 P40
	41 F	42 P41	43 P42	44 P43	45 P44	46 P45	47 P51	48 P52	49 P53	50 P54	51 P55	52 G40	53 G39	54 G38	55 G37	56 G36	57 G35	58 G 34	59 G33	60 G32
	61 G31	62 G30	63 G29	64 G28	65 G27	66 G26	67 G25	68 G24	69 G23	70 G22	71 G21	72 G20	73 G19	74 G18	75 G17	76 G16	77 G15	78 G14	79 G13	80 G12
	81 G11	82 G10	83 G9	84 G8	85 G7	86 G6	87 G5	88 G4	89 G3	90 G2	91 G1	92 P60	93 P59	94 P58	95 P57	96 P56	97 P50	98 P49	99 P48	100 P47
	101 P46	102 F																		