

To be performed in addition to those applicable in K1001.

The cathode illumination test K1001/5A-3-2 shall not apply.

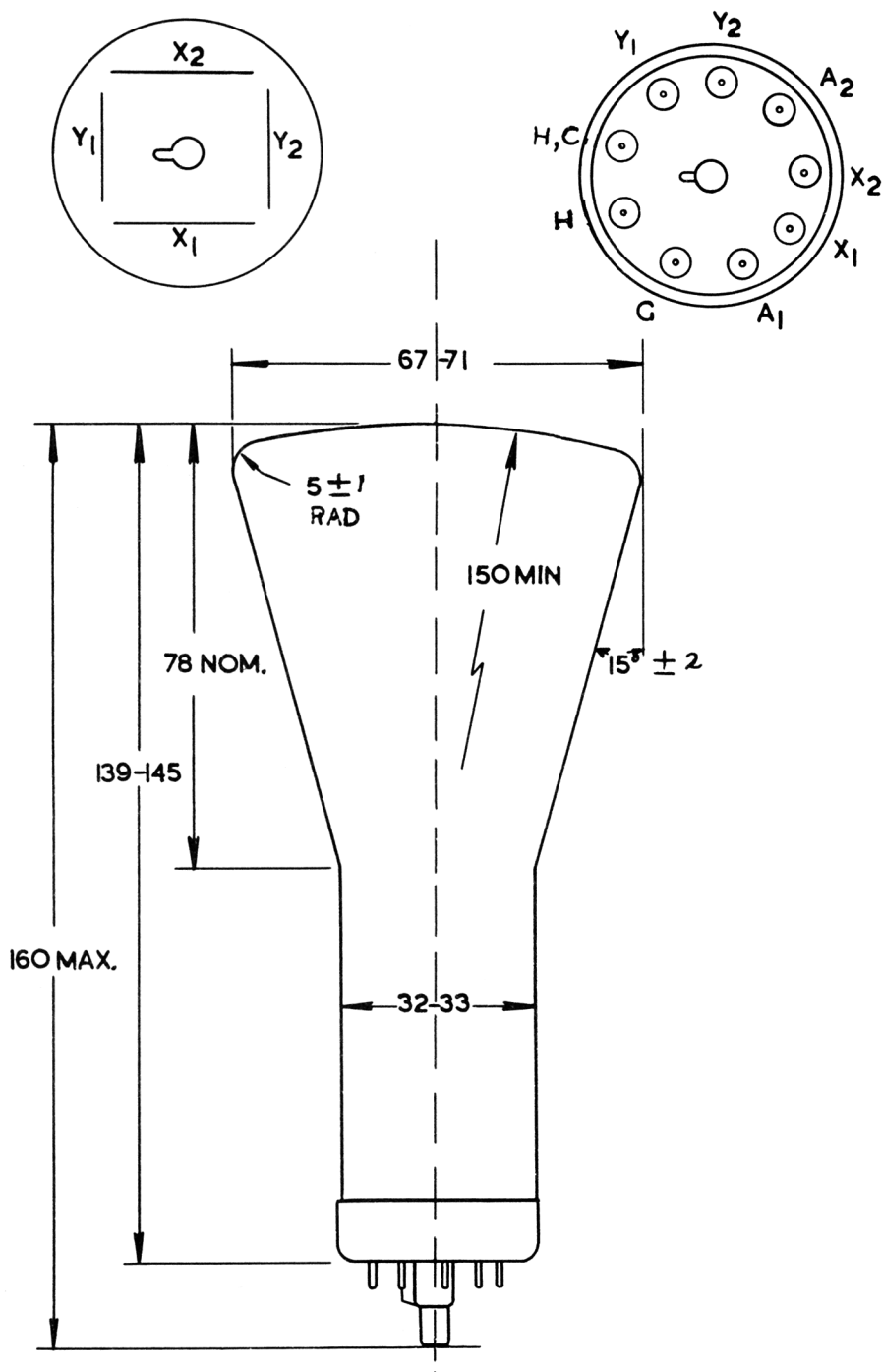
	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va2 (V)	Va1 (V)	Vg (V)		Min.	Max.	
a	See K1001/5A-4-3 5A-4-6				Capacitances (pF) i. Each x or y plate to all other electrodes (except the other x or y plate which should be earthed). ii. Both x plates to both y plates. iii. Grid to Cathode.	-	7.0	5%
b	6.3	0	0	0	Ih (A)	0.28	0.34	100%
c	6.3	800	Adjust to opt: focus	Adjust to cut-off	Cut-off Negative Vg. (V)	-	48	100%
d	6.3	800	-do-	-50	Grid Insulation (a) Leakage Current (μA) (b) Increase in Voltmeter reading	-	10	100%
e	6.3	800	-do-	Adjust	i. Negative Vg. (V) ii. Va1 (V)	1 160	- 340	5%
	or (b) With recommended method of K1001/5A-3-2 and using 5 megohms resistor.							
f	6.3	800	-do-	Adjust	Line Width at Ia2 = 0.5 μA (mm) at Ia2 = 10.0 μA (mm)	-	0.8	100%
	The trace on the screen shall be a circle of 50 mm diameter and the trace frequency shall be 50 c/s.							
g	6.3	800	-do-	Adjust to give just visible spot	Deflection Sensitivities x Plate (mm/V) y Plate (mm/V)	104 168 Va2 Va2	152 224 Va2 Va2	5%
h	6.3	800	-do-	-do-	Spot Displacement Deviation of spot from centre of Screen. (mm)	-	3.5	100%

TESTS

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	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va2 (V)	Va1 (V)	Vg (V)		Min.	Max.	
j	6.3	800	Adjust to opt: focus	Adjust to give just visible spot.	<u>Useful Screen Area</u>	61	-	100%
					Diameter (mm)			
	Deflection to cover circle of stated diameter centred on centre of screen.							
k	6.3	800	-do-	-do-	i. Orientation of x axis of deflec- tion relative to a plane through base spigot key and pin 5.	79°	101°	5%
					ii. Angle between x and y axis of deflection.	88.5	91.5	5%
l	6.3	800	-do-	-do-	<u>Trapezoidal Distortion</u>			
					i. Angle between adjacent sides.	87.5°	92.5°	5%
	A screen area of at least 40 mm x 40 mm to be scanned.				ii. Angle between opposite sides.	175°	185°	

CV.2175/5/3



ALL DIMENSIONS ARE IN MILLIMETERS

ELECTRONIC VALVE SPECIFICATIONS
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AMENDMENT NO. 1

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- (i) After, "To be performed in addition to those applicable in K1001," insert "The cathode illumination test K1001/5A.3.9.2. shall not apply."
- (ii) Test Clause (a): In the column headed "Test Conditions," delete "K1001/5A.13" and substitute "K1001/5A.4.6."
- (iii) Test Clause (d): In the column headed "Test Conditions," delete "K1001/5A.3.2" and substitute "K1001/5A.4.1.2."

T.V.C. for A.S.W.E.

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