

Specification MOSA/CV2205
Issue 2. Dated 13.3.53.
To be read in conjunction with K.1001/5A

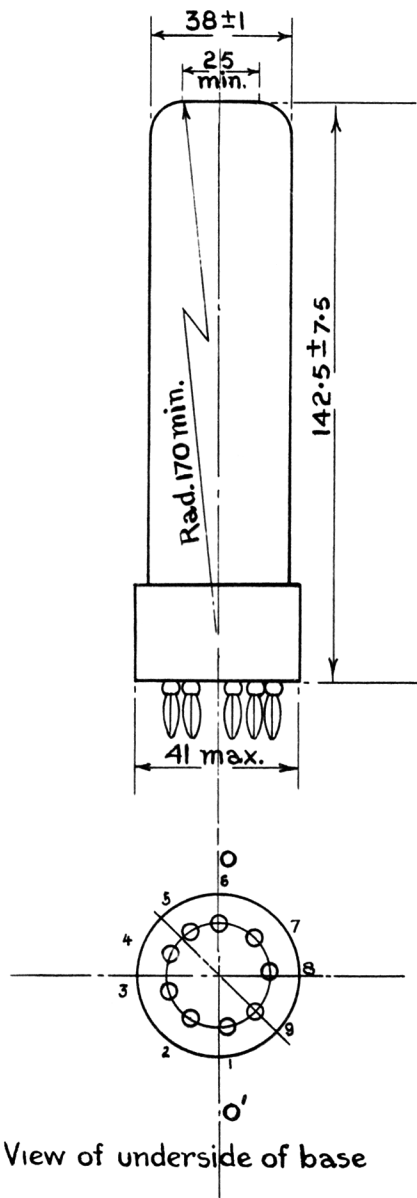
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To be performed in addition to those applicable in K.1001.

	Test Conditions					Test	Limits		No. Tested	Note	
	Vh	Va3	Va2	Va1	Vg		Min.	Max.			
Deflection voltages shall be applied symmetrically in all cases.											
a	See K.1001/5A.13					<u>CAPACITANCES (pF)</u> 1. Each X or each Y plate to all other electrodes. 2. Grid to all other electrodes. 3. One X-plate to one Y-plate.	-	15	T.A.		
b	4.0	0	0	0	-	Ih (A)	^{0.65} 0.9	1.1		5%(10)	
c	4.0	800	Adjusted for optimum focus.	800	Adjust to give cut-off	Vg (V)	-7	-20		100%	
d	4.0	800	ditte	800	Adjust	1. Vg (V) 2. Within the range of grid voltage from out-off to standard light output the beam current shall increase continuously	At least 1 V negative to cathode		100%		
e	4.0	800	ditte	800	ditte	1. Line width (mm) 2. Va2 (V)	50	175	100% 5%(10)		
<u>DEFLECTION</u> With a sine wave time base of 10 kc/s nom. and a line length of 30 mm in the X and Y directions successively. The line width to be measured at the centre of the trace. <u>GRID</u> The grid will be pulsed positively from out-off with amplitude equal to the value obtained in test (d2), the nominal values of pulse duration and recurrence being 100 μ sec and 100 c/s respectively.											

	Test Conditions					Test	Limits		No. Tested	Note
	Vh	Va3	Va2	Va1	Vg		Min.	Max.		
f	4.0	800	Any convenient value	800	-20	<u>GRID INSULATION</u> Leakage current (μ A) Increase in voltmeter reading.	-	4 100%	100%	
	See K.1001/5A.3.2 Resistor - 5 megohms.									
g	4.0	800	Adjusted for optimum focus	800	Any convenient value	<u>DEFLECTION SENSITIVITIES</u> 1. X-plate 2. Y-plate	$\frac{80}{V_{a3}}$ $\frac{80}{V_{a3}}$	$\frac{120}{V_{a3}}$ $\frac{120}{V_{a3}}$	100%	
h	4.0	800	ditto	800	ditto	Deviation of spot from centre of the screen (mm)	-	3	100%	
j	4.0	800	ditto	800	ditto	<u>USEFUL SCREEN AREA</u> Diameter (mm)	30	-	100%	
k	4.0	800	ditto	800	ditto	Angle between X and Y axes of deflection	85°	95°	100%	
m	4.0	800	ditto	800	ditto	Orientation of Y axis of deflection. Angle measured relative to axis O-O' shown on drawing on Page 4.	-	±10°	100%	



ALL DIMENSIONS IN MILLIMETRES

ELECTRONIC VALVE SPECIFICATIONS
SPECIFICATION CV.2205 ISSUE 2 DATED 13-3-1953

AMENDMENT NO.1.

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Clause "b" Ih Limits:-

DELETE MIN. 0.9
INSERT MIN. 0.85

November, 1963.
NP.152581.

T.V.C.for R.A.E.

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