

ELECTRONIC VALVE SPECIFICATIONS
SPECIFICATION AD/CV262 ISSUE No. 3 DATED 11.6.59.
AMENDMENT NO. 1

Page 3 Test Clause j, Persistence.

In the column headed 'Limits, Min.', delete
'30' and substitute '20'.

May, 1964.

T.V.C. for ASWE.

N.222332

CV262

Specification AD/CV262 Issue No. 3 dated 11.6.59. To be read in conjunction with K1001 and B.S.448	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Cathode Ray Tube <u>TYPE OF DEFLECTION</u> - Magnetic <u>TYPE OF FOCUS</u> - Magnetic <u>BULB</u> - Internally coated with conductive coating <u>SCREEN</u> - HT8			<u>MARKING</u> See K1001/4	
			<u>BASE</u> B.S.448/B8-0	
			<u>CONNECTIONS</u>	
<u>RATING</u>		Note	Pin	Electrode
Heater voltage	(V) 4.0		1	No Connection
Heater current	(A) 1.0		2	Heater
Max. Anode Voltage	(kV) 9.0		3	Pin Omitted
Max. Negative grid voltage	(V) 150		4	Pin Omitted
			5	Grid
			6	Pin Omitted
			7	Heater
			8	Cathode
			Side contact	Anode
			<u>SIDE CONTACT</u> B.S.448/CT2 cap contact securely fastened to a B.S.448/CT8 cavity contact.	
			<u>DIMENSIONS</u> See drawing on page 4	

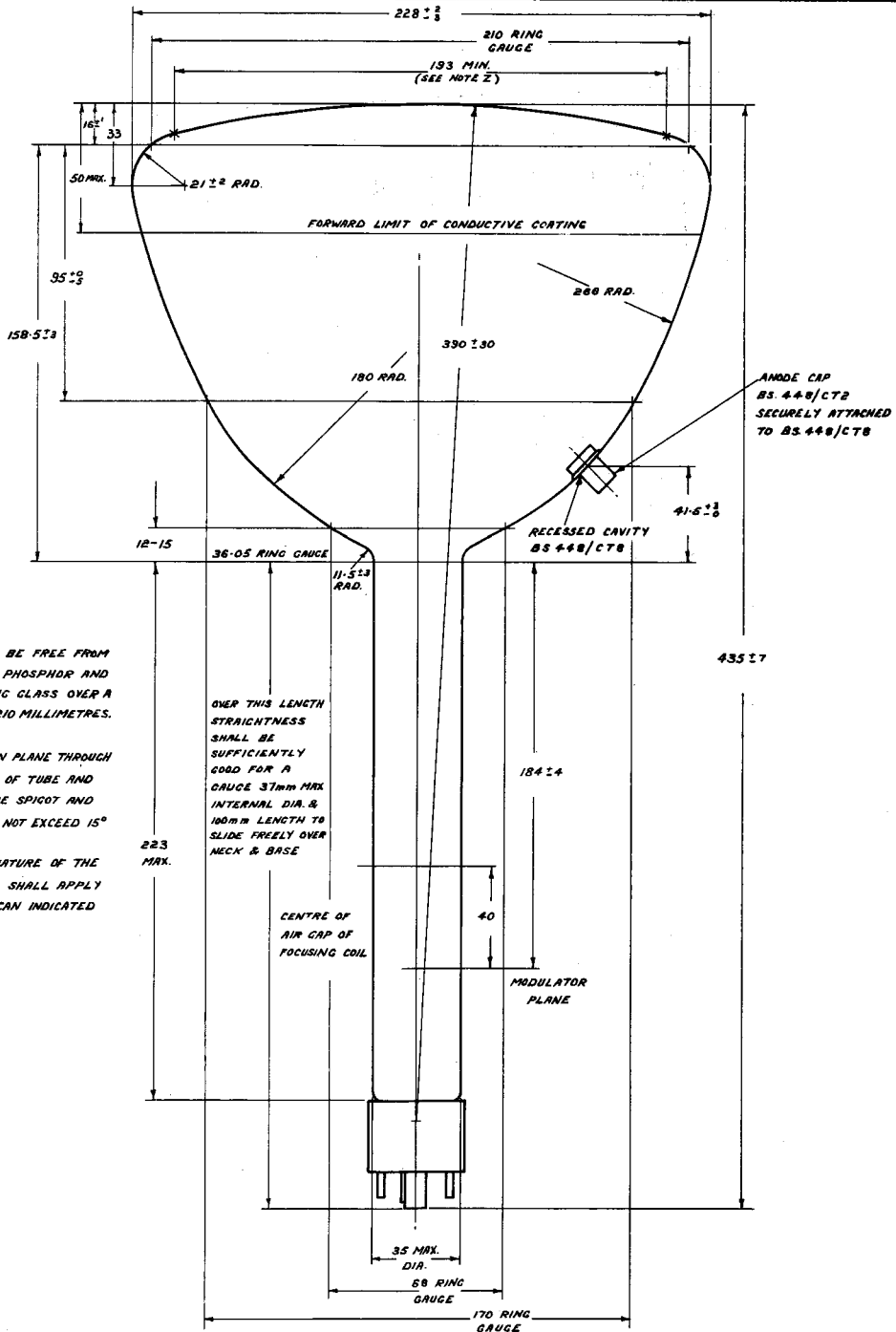
TESTS

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. Tested	Note
					Min.	Max.		
a	See K1001/5A.13			<u>CAPACITANCES (pF)</u> Grid to all other electrodes	-	25	5%	
b	Vh	Va(kV)	Vg	Ih (A)	-	1.2	100%	
	4.0	0	0					
c	4.0	4.0	Adjust Focus adjusted to optimum, and then Vg adjusted for cut-off. (See K1001/5A.10)	<u>NEGATIVE GRID VOLTAGE FOR CUT-OFF (V)</u> (Value to be noted)	30	65	100%	
d	4.0	4.0	Adjust Focus adjusted to optimum. Vg adjusted so that the light output from a close raster of convenient size is 0.1 candela when raster is viewed through a G2 filter.	<u>GRID DRIVE</u> Change in Vg from value found in test (c) (v)	-	25	100%	
e	4.0	4.0	As for test "d" Focus adjusted to optimum with focusing coil at position shown in drawing on page 4. <u>DEFLECTION</u> - Sine-wave, line-scan, of 50 c/s nom., and a line of length 94 mm traced in "X" and "Y" directions successively.	<u>LINE WIDTH</u> Measured at centre of each trace (mm)		1.3	100%	
f	4.0	4.0	-65	<u>GRID INSULATION</u> (i) Leakage current (μ A)	-	6.5	100%	
		or	See K1001/5A.3.2 with resistor = 10 megohms	(ii) Increase in voltmeter reading				
g	4.0	4.0	Adjust Focus adjusted to optimum, with any convenient light intensity in a raster that covers the whole screen.	<u>USEFUL SCREEN AREA</u> Diameter through centre of screen (mm)	190	-	100%	

	Test Conditions			Test	Limits		No. Tested	Note
					Min.	Max.		
h	4.0	4.0	Adjust	<u>Deviation of Unfocused Spot from centre of screen.</u> (mm).	-	10	100%	
j	4.0	4.0	Adjust	<u>Persistence</u> Decay time to 0.014 foot-lamberts (secs.)	30	60	10%	





NOTES

- X. THE SCREEN MUST BE FREE FROM BLEMISHES IN THE PHOSPHOR AND IN THE UNDERLYING GLASS OVER A DIA. OF AT LEAST 210 MILLIMETRES.
- Y. THE ANGLE BETWEEN PLANE THROUGH ANODE CAP AND AXIS OF TUBE AND PLANE THROUGH BASE SPICOT AND AXIS OF TUBE SHALL NOT EXCEED 15°
- Z. THE RADIUS OF CURVATURE OF THE FACE OF THE TUBE SHALL APPLY OVER THE 193 mm SCAN INDICATED BY POINTS X-X

OVER THIS LENGTH STRAIGHTNESS SHALL BE SUFFICIENTLY GOOD FOR A GAUGE 37mm MAX INTERNAL DIA. & 100mm LENGTH TO SLIDE FREELY OVER NECK & BASE