To be read in conjunction with K1001 Unclassified Unclassified	Specification AD/CV 6125 Issue 1 dated 14th June 1963. To be read in conjunction with K1001	Specification Unclassified	Valve
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TYPE OF VALVE: Square faced Cathode-Ray Tube TYPE OF DEFLECTION: Electrostatic (Symmetrical)			MARKING See K1001/4 BASE				
TYPE OF FOCUS: Electrostatio			See BS448.B12D				
ENVELOPE: Glass with internal Conductive coating SCREEN: GG4			COM	NECTIONS Electrode			
RATING All limiting values are Heater Voltage Heater Current Max. 1st Anode Voltage Max. 2nd Anode Voltage Max. 3rd Anode Voltage Max. negative Grid Voltage Max. Heater-Cathode Voltage TYPICAL OPERATING CONDITION	(A) (FA) (FA) (FA) (FA)	Note 6.3 0.6 2 1.5 10 150 100		Grid g Cathode k Heater h Heater h 1st Anode a1 2nd Anode a2			
1st Anode Voltage 2nd Anode Voltage 3rd Anode Voltage	(kV) (kV) (kV)	2 1 7•5	DIMENSIONS See drawing on page 5 PACKAGING See K1005				
Negative Grid Voltage for cut-off x Deflection Factor	(V/cm)	50 98					
y Deflection Factor	(V/om)	68	MOUNT	Any			

HOTES

- A The trace is square with respect to the edges of the tube to within $\pm 2^{\circ}$.
- B The Joint Service Catalogue Number is 5960-99-037-3418

TESTS

To be performed in addition to those applicable in K1001.

Tests are to be performed in the specified order unless otherwise agreed with the Inspecting Authority.

Test conditions - unless otherwise stated:-

Vh(V) Vg Va1 (kV) Va2 Va3 (kV) 6.3 Adjust 2 Adjust 7.5

Test	K1001	Test	Test Conditions	AQL	Insp.	Sym-	Limits		Units
				\$	level	bol	Min.	Max.	Ī
(a)	5.4.4.6.	Capacitances	No Voltages Cg = all Ck = all Cyl = all except y2 Cx1 = all except x2 Cy1 = y2 Cx1 = x2	6.5	IB		-	20 35 20 25 5	pf pf pf pf pf pf
(p)		Heater Current	Ne voltages except Vh		100%	Ih	0. 48	0.6	A
(6)	5-4-4-1-	Heater-Cathode Leakage Current	Vh-k= ± 100V		100%		40	100	<i>p</i> .▲
(a)		Cathode Current	See Note 1.		100%	Tk	350	-	/UA
(•)	5.A.4.1.	Grid Insulation	Leakage Current with Va2 = 1kV, Vg= -70V or Increase in cut- off voltage with Rg = 7 megohms.		100%		60	100%	JOA
(1)	5.4.6.4.	Spot Position		-	100%		49	5.0	am.
(g)	5.4.4.3.	Negative Grid Cut-off Voltage			100%		30	70	A
(h)		Focus (i) Second anode Voltage. (ii) Line Width	Focused un- deflected spot. Note 2.		100%	∀a2	800	1100	3003. V

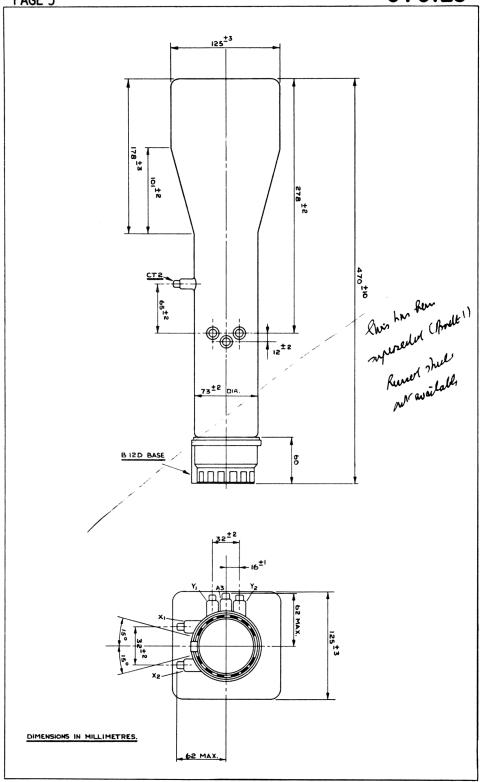
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Test	K1001	Test	Test Conditions	AQL %	Insp. Leve 1	Li: Min.	mits Max.	Units
(1)		Grid Drive	Focused Raster Light Output 0.6 Candela, Measure change in Vg from Cut- Off value, Test (g).		100%	_	20	v
(k)		Useful Screen Area	Focused Raster of maximum available size. Measure length in (i) x direction (ii) y direction		100%	100 100	-	mm mm
(1)	AXV	Screen and Face Plate Defects	Defocused raster of maximum available size. Defects (i) 0.25-0.5 mm Dia. (ii) 0.5-1.5 mm Dia. (iii) More than 1.5 mm Dia. Note 3		100%	-	10 5 0	
(m)		Geometrical Distortion	Focused raster, x = 100 mm, y = 80 mm Measure deviation of edges of raster from the rect- angle enclosing its widest points		100%	-	2.0	nom.
(n)		Angle between x and y axes	A.C. deflection on x and y plates in turn		100%	88	92	Deg.
(0)		Deflection factor	(i) x - axis (ii) y - axis		100%	-	115 80	V/cam. V/cam

notes

- 1. With Vg =-30V adjust Val for visual cut-off on a focused spot. Then measure cathode current with Vg =-1V.
- With focus conditions as in test (h)(i) apply a 10 kc/s line, 10 cm long with grid drive 6V from cut-off value obtained in test (g). Weasure line width at centre of trace.
- 3. If two or more defects are separated by a distance not greater than the length of the largest defect in the group, the group shall be regarded as one defect of size equal to the overall size of the group. In the case of a non-circular defect diameter shall be taken as the mean of major and minor axes.



ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION AD/CV 6125, ISSUE No.1 DATED 14th JUNE 1963

Amendment No.1

Remove and destroy existing Page 5 and substitute new Page 5, dated 30th November 1964, attached hereto.

NIC Willele AM

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

January 1965 (229607)