Specification MOS/CV960/Issue	SECURITY						
Dated:- 1,11.51.		Specification	C.R.T.				
To be read in conjunction w	ith K1003	Unclassified	d Unclassified				
TYPE OF VALVE: - Cathode Ray Tube		MARK ING					
TYPE OF DEFLECTION: - Electrostatic		See K1001/4					
asymmeti							
TYPE OF FOCUS: - Electro	static	I	BASE				
BULB:- Glass.	Internally]	B12D				
coated		See K	1001/A4/D15				
	ive coatg.	See VIOOLVWANDED					
SCREEN:- GGN		Centact	Electrode				
			(५७३.व.				
RATING		2	C				
Heater voltage (V)	4.0	3	н				
Heater current (A)	1.0	4	н				
Max. Vaf (KV)	2.5	4 5 6	A1				
Max. Va2 (KV)	1.08		A2				
Max. Va3 (KV)	6.0	7 8	Internal Coatg				
Sensitivity, X Plates (mm/V)	62 <u>5</u> Va3		Y2				
	Va3	9	X2				
Sensitivity, Y Plates (mm/V)	1175 Va3	10 11	A3 X1				
	Vas	12	Y1				
TYPICAL OPERATING CONDITIONS							
	1 "	<u>DIMENSIONS</u>					
Va1 (KV)	1.8 0.8	See drawing, page 4					
Va2 (KV) Va3 (KV)	5.9	, [
Beam current (uA)	5	PACKAGING					
		See K1005					
		nee	TIONS				

NOTES

A. The suitability of the tube for asymmetrical deflection will be checked at Type Approval. During the tests, symmetrical deflection may be employed.

B. Screen blemishes which impair the operation of the tube must not appear within a rectangular area of width 25 mm symmetrical about the X axis and length 115 mm. symmetrical about the Y axis.

D. The tube must be adequately free from Micropheny, Deflection Defocus and Astigmatism. These tests will be covered by Type Approval.

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TESTS

To be performed in addition to those applicable in K1003

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	Test Conditions	Tests	Lim Min.	its Max.	No Tested			
a		Capacitances (pf) 1. Each X and Y plate to all other electrodes	-	25	6			
		2. Grid to all other electrodes	-	25	per			
		3. Each X plate to each Y plate	-	3	week			
	FOR ALL TESTS GIVEN BELOW Vh = 4.0V							
Ъ		.In (A)	0.8	1.3	100%			
C	Cathode 100 volts positive to heater	Heater Cathode Current Current (uA)	-	100	100%			
	FOR ALL TESTS GIVEN	BELOW Va1 = 1.8 KV, Va3 =	5.0 K	V				
đ.	With a raster soan of 120 mm in the X direction and 80 mm in the Y direction, or with raster of approved size, adjust Va2 for optimum focus and Vg for a light intensity of 0.15		5 120 80 700	- - 900	100% 100%			
6	candela. With a line scan of length 100 mm in the X and Y directions success- ively, Va2 and Vg as in "d".	Line width at (mm) centre of trace	-	0.7	100%			
9.1	Vg adjusted for cut off and Va2 as in "d". See K1003/5.9	1. Vg 2. Increase in negative value of Vg compared with value noted in test d.1.	25 -	70 30	100%			
E	See K1003/5.4.2. (a) Vg -80v. (b) Alternative method Resistor 5 meg A	Grid Insulation Leakage Current (uA) Increase in voltmeter reading	-	16 100%	100%			
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	Test Conditions	Tests	Lin Min.	its Max.	No. Fested
h		Deflection Sensitivit 1. X plates (mm/V) 2. Y plates (mm/V)	550 Va3	700 Va3 1350 Va3	10%
j	See K1003/5.10	Deviation of spot from centre of screen (mm)	-	10	100%
k		Orientation of Deflection Axes 1. Orientation of X axis of deflection relative to 00' on drawing 2. Angle between X and Y axes of deflection	80° 85°	100°	

