Specification MOS/CV960/Is Dated: - 1,11.51. To be read in conjunction		Specification			
TYPE OF VALVE: - Cathode Ray Tube TYPE OF DEFLECTION: - Electrostatic asymmetrical TYPE OF FOCUS: - Electrostatic		MARKING See K1001/4 BASE			
BULB: - Glass coate	in Internally d with active coatg.	B12D See K1001/AL/015			
SCREEN:- GGN		Centact	Electrode		
Heater current Max. Va1 Max. Va2 (E	/v) 1175 Va3	1 2 3 4 5 6 7 8 9 10 11 12	Gr1d C H H A1 A2 Internal Coats Y2 X2 A3 X1 Y1		
Va1 (K Va2 (K Va3 (F	(V) 1.8 (V) 0.8 (V) 5.9 (A) 5	See drawing	mENSIONS ring, page 4 CKAGING ee K1005		

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 eperation 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 Microphony, Deflection Defecus 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	Limits		No			
			Min.	Max.	Tested			
a		Capacitances (pf) 1. Each X and Y plate to all other electrodes	-	25	6			
		2. Grid to all other	-	25	per			
		electrodes 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%			
С	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 KV							
đ	With a raster scan 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		5 120 80 700	- - 900	100% 100%			
е	light intensity of 0.15 candela. With a line scan of length 100 mm in the X	Line width at (mm) centre of trace	-	0.7	100%			
	and Y directions success- ively, Va2 and Vg as in "d".							
f	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%			
g	See K1003/5.4.2. (a) Vg -80v. (b) Alternative method	Grid Insulation Leakage Current (uA) Increase in voltmeter	-	16	100%			
1	Resistor 5 meg J	reading	<u> </u>	100%				

TESTS (Cont.)

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	Test Conditions	Tests	Limits Min. Max.		No. rested
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° 95°	

CY960/6/4

