CATHODE RAY TUBE CV.1379

See Y.1001/4

Specification MOS/CV1379/Issue 1	SECURITY		
Dated 20.11.45.	Specification	C.R.T.	
To be read in conjunction with K1003	Restricted	Restricted	

Indicates a change

		•
TYPE OF DEFLECTION: -	Electrostatic.	
BULB: -	Internally	
	coated with	MARKING
	conductive	

coating.

SCREEN: - YYN2, WWN2 or YYK4O	23,	,
RATING	Note	BASE 6 Clip
Heater Voltage (V) Heater Current (Å) Max. Final Anode Voltage (kV) X plate sensitivity (mm/V) Y plate sensitivity (mm/V) TYPICAL OPERATING CONDITIONS	4 1.1 4 600 Va3 6/5 Va3	DIMENSIONS AND CONNECTIONS See Drawing on Page 5.
Final Anode Voltage (kV) Second Anode Voltage (V) Beam Current (µA)	3 600 15	

NOTE

- A:- The tube must be adequately free from microphony. This test to be covered by type approval.
- B:- If a first accelerator anode is used in addition to focussing and final anodes, it shall:-
 - (i) be connected to contact clip A₁, and be designed to take the same voltage as A₃,
 - (ii) be connected to contact clip A_2 , and be designed to take the same voltage as A_2 .

To be performed in addition to those applicable in K1003.

e	Test Conditions					Limits		No.
Clause	v_h	Va3 (kV)	Va2	Vg	Tests	Min.	Max.	Test-
(a)	0	0	С	0	Capacitances (pf) 1. Each X plate to all other electrodes. 2. Each Y plate to all other electrodes. 3. Each X plate to each Y plate.	-	14 10 2	Type Approval Test only.
(b)	4	0	0	0	I_h (A)	0.4	1.4	100%
(c)	ti to li th tu of in	just mum ance at o be u len the rect	Va2 for focus are spot equal fasta sing a gth 110 X and ions sively	and Vg bril- to andard trace mm.	 Va2 (V) Line width shall not be greater than that of a standard tube within an area of radius 2.5 cms. around the centre of the screen. Deflection defocusaing at any point within an area of radius 4.5 cms. around the centre of the screen shall not be greater than that of a standard tube. Vg (to be noted) 	390	720	100,5
(d)	4	3	13 in (c)	As in (c)	Cathode current (µA)	-	500	Type Ap- proval Test only
(e)			As in (c) usted (cut of	to	1. Vg (V) 2. Increase in negative value of Vg compared with value noted in test (c)4.	-	-30 15	100%
(f)	S e	e K1	As in (c) ended moos, cl Inser	method: lause rt	Grid Insulation Leakage current (µA) Increase in voltmeter reading (V)	-	5 100%	100,3

-	-	-		_					
(g)	4 3	As in (c)		1.		ies n/V) n/V)	500 Va3 550 Va3	650 V _{a3} 800 V _{a3}	10%
(h)		(c) leflecto es conne			Deviation of spot f centre of screen. (-	7.5	100%
(3)	Vg vs off t worki 4 - Va3 v 2.7 k 4 3 +10v. and X 4 3 Va2 v range spot	As in (c) ried from the control of t	As in (g) ver	1.	Movement (en (mmn) (mmn)	1 1 1	0.5 0.5	100%
(k)	as shon dr betwee and a Repea	ate constant of the constant o	e waves Fig. 3. pplied late sing X1	Ze ₁	ro Drift along X	(mm)	-	0,5	100%

CV.1379

(1)	4 3 As in As in (c) (c) X ₁ plate connected to a ₃ and -2kV on X ₂ plate. Using +5v. instead of -2kV.in the above test. Repeat reversing X ₁ and X ₂ connections.				1. Current flowing to X ₂ . (µA) 2. Current flowing to X ₂ . (µA)	-	1	100%
(m)	4	3	As in (c)	As in (g)	The tube must withstand the application of +4 kV to any one deflector plate, the other three being connected to az.			100%
(n)	4	4	See c 5.14 K1003	of	Over Voltage Test			100%
(o)	4	3	As in (c)	As in (g)	When the screen bears two superimposed traces with recurrence frequencies up to 3000			Type Approval Test only
					cycles/sec., there shall be no distortion of one trace by the other.			
(p)	4	3	As in (c)	As in (g)	shall be no distortion	55	_	100%
(p)	4	3	(c)		shall be no distortion of one trace by the other. Useful Screen Area		- +5° 95°	100/5

