SECURITY

(VCR530)

Specification MAP/CV1530/Issue 2 Dated 13.12.45. To be read in conjunction with K1003

Specification
RESTRICTED

Tube RESTRICTED

- Indicates a change

TYPE OF DEFLECTION - Magnetic TYPE OF FOCUS - Electrostatic BULB - Internally coate with conductive coating. SCREEN - YYM36	đ.	: :		WARKING VCR.530 10CV/1530 BASE I.00.
RATING		Note	Pin 1	Electrode No connection
Heater Voltage (V Heater Current (A Max. First Anede Voltage (kV Max. Third Anode Voltage (kV TYPICAL OPERATING CONDITIONS Third Anode Voltage (kV Second Anode Voltage (kV) 1.0 1.45 8.0 7.0 1.0	A A	2 3 4 5 6 7 8 8ide Contact	First Anode Second Anode No connection Grid Cathode Heater Heater Third Anode
First Amode Voltage (kV Working Beam Current (peak) (uA Working First Amode Current (uA	250	В	F1 DIM C	LE CONTACT USA Type. ENSIONS AND ONNECTIONS Tawing on page 4.

NOTES

- A:- The tube shall be capable of operating with these voltages at a pressure equivalent to 4.45° of mercury at 15°C.
- B:- The first anode must always be at least 50V. positive to the second anode and the supply network must take account of variations in first anode current from zero to working value.

This could be a second of the second of the

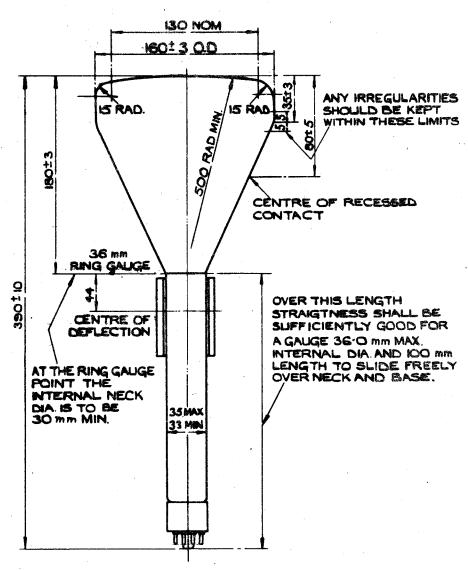
CVI530

To be performed in addition to theze applicable in K1003

			Те	st Condit	ions		Test	I	No.	
		۷'n	Va3 (kV)	Væ2 (kV)	Va1 (kV)	Vg		Min.	Max.	E ested
	8.		See 	K1003/5.	12.		INTERELECTRODE CAPACITANCE (pF)			
						<u> </u>	Cg- all	-	25	5%(10)
	b	4.0	0	0	0	0	Ih (A)	0.7	1.2	100%
	C	4.0	7.0	Adjust for opti- mum focus	1.25	Adjust to cut off	Vg (V) Value to be noted	-	-100	100%
	đ	Vg ad	ljusted	to give	1.25 a ligh	- t out-	1. Vg (V) 2. Change in value	-1	₹,,	100%
		put o raste		candles o	n a cl	ose	of Vg from test(c) (V) 3. Within the range of grid voltage from out off to standard light output the beam current shall	-	55	100%
and the same	et de majores						increase continuously.			100%
	8	DEFLECTION - With a sinewave time base of 10 Kc/s nom. and line length of 135 mm. in X and Y directions successively, the line width will be measured at the centre of the trace.					1. Line width (mm) 2. Va2 (V)	900	0.8 1200	100%
O SERVICIO DE LA COMPANSION DE		posit to th (d.2) pulse being	ively to value, the durat	grid will with ample obtaine nominal with and resease and	itude d in t alues ecurre	equal. est of noe				
I.	f	4.0	7.0	Any con- venient value	1.25	-100	GRID INSULATION 1. Leakage current (/uA)	-	20	100%
Name (State of State		See K1003/5.4.2. Resistor = 5 MΩ		2. Increase in in voltmeter reading	-	100%	100%			
	g	4.0	7.0	ditto	1.25		Deviation of spot from centre of screen (mm)	.	10	100%
MACHINE STREET, STREET	A PRINCIPLE STATEMENT OF STATEM	,	g.							

CV1530

	Test	Condit:	ions			Test	No. of Contrast of	Limits		
	Vh	Va3 (kV)	Va2 (kV)	Va1 (kV)	Vg		Min.	Max.	Tested	
h	4.0	7.0	Any conve- nient value	1•25	Any con- ven- ient value	USEFUL SCREEN AREA Diameter (mm)	135	-	100%	
Ĵ	4.0 7.0 - 1.25 ditto Deflecting field to give a raster covering the useful screen area. The spot shall be defocussed such that separate lines shall not be discernable on the raster.				a ul hall be	 The screen shall results worse for graining standard pattern. The variation of the cover any part of the shall not exceed a shall not exceed a standard part of the shall not exceed a standard pattern. 	100%			
k	Test to be performed using Test Set 331.				ng	After-glow (secs.)	4	16	10%	



THE ANGLE BETWEEN THE PLANES THROUGH THE TUBE AXIS AND THE CENTRE OF THE SIDE CONTACT, AND THE TUBE AXIS AND THE KEY IN THE SPIGOT OF THE BASE SHALL NOT BE MORE THAN I 10°

ALL DIMENSIONS IN MILLIMETRES