material and a committee of the committe				
SEC fication ssified	Valve Unclassified			
B. B. S. CONNIS	В	RKING 1001/4 ASE 448 B 8-0 CTIONS Electrode No connection a1 a2 No connection g k h h a3		
,,-	B.s. 448	CT1 ◀		
_		DIMEN: brawing,		

NOTES

- A. Absolute maximum value.
- B. The first anode voltage shall always be at least 50V positive with respect to the second anode voltage.
- C. To prevent damage to the screen material the tube should be operated at its minimum useful brightness.
- D. The fluoride screen shall not contain beryllium.
- E. Since the screen has an aluminium backing the tube may be operated with either anode or cathode at earth potential.

CV2162 To be performed in addition to those applicable in K1001

specia	otherwise Cied 4.0	Adjust 2.1 12		Optia				
K1001	TEST	Test conditions	Insp.	Sym-	ы	MITS	UNITS	+
			Level	bol	Min.	Max.		L
5 A ₀ 1	General Inspection - Dimensions	No Voltages No Voltages, See drawing on page 4	100% 100%					
5 A •2	Loose Particles	No Voltages	100%					
5A3-2	Grid Insulation Leakage Current or	Vg = -126V	100%	Igl	-	12.6	uA.	
	Increase in Voltmeter Reading	Rg = 10 M. ohms	100%			100	%	
5 A3 -3	Heater - cathode Leakage Current	Vhk = 150V	100%	Ihk	-	150	uA.	
	Heater Current	Va1,2,3 = 0	100%	Ih	8:45	1.0	A	A.
5A. 10	Negative Grid Cut - off Voltage (V1)		100%	٧g	70	126	A	
	Negative Grid Voltage (V2)	Ib = 50 uA Defocussed beam scanned or deflected off useful	9	₹g		-	V	
	Grid Drive (V1-V2)	screen area. Note 2.	100%		-	35	Δ	
5 4. -7	Focus, Line width at centre of trace and Anode 2 voltage	Linear line scan traced in two directions at rt. angles successively.	/-		-	0.6	RMA.	
	for focus	250 mm long and 100 us duration. Grid drive from cut-off by 100 us pulse of amplitude V1-V;	100%	Va2	1850	2050	V	
	Anode 2 current for focus	f = 100 pps max.	100%	Ia2	-	6	μA	A
5▲•12	Useful Screen Area, diameter on geo- metric centres	Optimum focus Tb = 50 uA	100%		265	-	TORR.	
5 ≜ ₀11	Displacement of spot from geometric centre of screen	Vg = any convenient value	100%		-	10	mm. ∢ .	-
	Screen Efficiency measured in terms of beam current	Adjust Vg for a light intensity of 0.15 candel using a focussed rester of convenient size	190% La.	Ιъ	-	6	u A	

CV2162

K1001	TEST	TEST CONDITIONS	AÇIL %	Insp. Level		LDOTS		UNITS	
						Min.	Max.		
5 A +17	Persistence, measured as decay time to 0.014 ft. lamberts at 15°C. Note 3.	Screen to be scanned with interlaced 405 line rester of convenient size. Vg adjusted to give screen luminance of 2 ft. Lamberts. Uniform screen excitation Excitation time = 1205ccs.	6.5	1B		208		Sec. 8 ⊲	
5 A 1.1	Screen Blemishes; stones, bubbles and screen defects Limit size No. of blemishes within any circle of 50 mm dia. No. of blemishes between 1.0 and 1.5 mm. Total No. of all	Scan over useful screen area with a defocussed ruster of convenient brightness. Ignore blemishes of less than 0.5 mm dia. Note 1.					1•5 5	2089.	
	blemishes Separation between blemishes					20	10	120KO.	
5 A • 13	Capacitances		6.5	IC	Cg-all		12/5 12	pF pF	Amol
5▲- 21	Resistance to external pressure			TA.					

1. If two or more blemishes, including those below 0.5 mm are separated by a diameter and the maximum dimension of the largest blemish in the group, then the group of blemishes shall be considered as one blemish of dimension equal

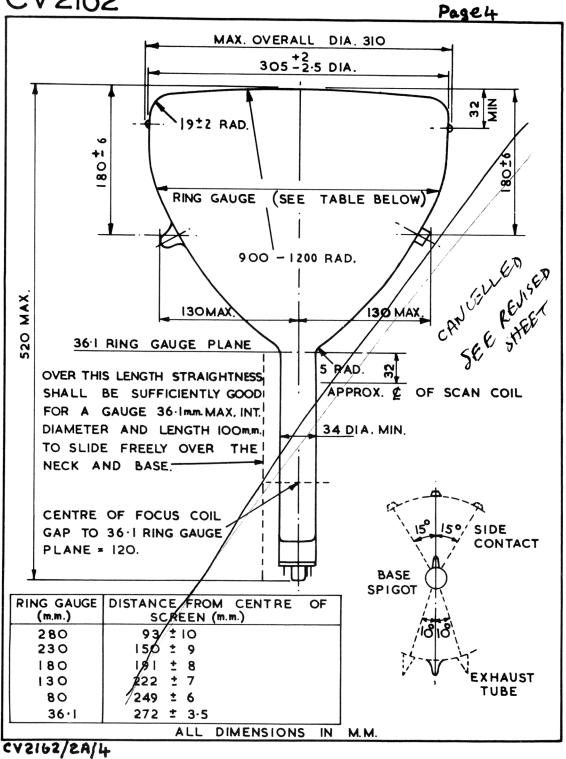
to the maximum overall dimension of the group.

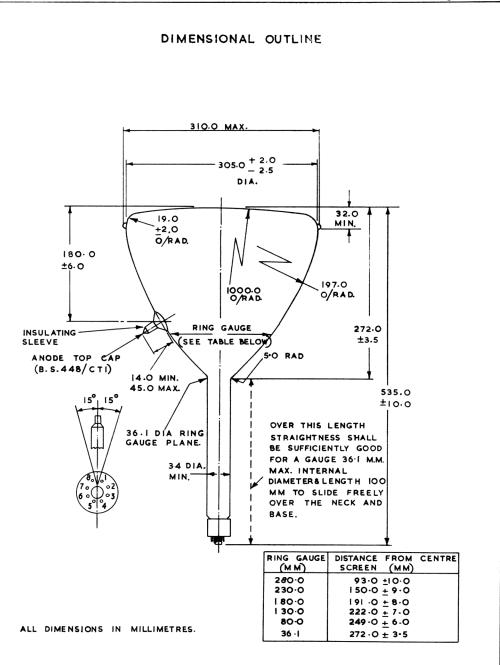
 The beam current shall increase continuously over the range of grid voltage V1 to V2.

3. To allow for screen temperature coefficient, the minimum decay time limit at any temperature between 15°C and 30°C which is "n" •c above 15°C is :-

208(1-0.04)n

NOTES





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ELECTRONIC VALVE SPECIFICATIONS

• SPECIFICATION HOA/CV2162 ISSUE 2A. DATED 22nd February, 1960 AMENDMENT NO.1.

Page 2. Heater Current. (Situated beneath the K1001 reference 5A3.3).

Amend the "Limits Min" Column to read "0.45" in lieu of "0.75" quoted.

Page 4.

Cancel but do not destroy this page and substitute new page 4 dated 1st April, 1963. attached hereto.

April, 1963. N.175391

T.V.C. for R.R.E.

ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION MOA/CV2162 ISSUE 2A DATED 22nd February, 1960

AMENDMENT NO. 2

Page 2 Test Clause 5A.7

Immediately following the existing information add the following test.

The second second	K1001	Test	Test Conditions	Insp. Level	Sym Col	LIM Min	ITS Max.	Units
as company control of the second	Section of the sectio	Anode 2 current for focus	emandia dilang Pittoria yan belor yan belorangan da yan belorangan yang orangan in Januarian.	100%	Ia2	edianesi ja tionuvated	6	μA

February, 1964.

N.222035

T.V.C. for R.R.E.



ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION MOA/CV.2162 ISSUE 2A DATED 22nd FEBRUARY 1960 AMENDMENT No.3.

Page 3, 5A.13 Capacitances

In the column headed "LIMITS, Max." against "Cg-all", delete "12" and substitute "15".

T.V.C. for R.R.E.

JARS 165

November, 1964.

NP. 222419