٠	Specification MAP/CV92/Issue 4.	SECURITY		
	Dated 18.1.50. To be read in conjunction with K1001	<u>Specification</u>	<u>Valve</u>	
	ignoring clause: - 5.2.	RESTRICTED	UNCLASSIFIED	4
		1/1 2/2 11/6	7	

Indicates a change

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TYPE OF VALVE - Triode with forced air- cooled anode. CATHODE - Indirectly heated, oxide coated. ENVELOPE - Metal glass construction.			MARKING See K1001/4.
			PACKING See K1005
	<u>BASE</u> None		
RATING		Note	DIMENSIONS and CONNECTIONS
Heater Voltage Heater Current Max. Peak Anode Voltage Max. Anode Dissipation Mmplification Factor Average Grid Voltage Efficiency of pair of Valves at Wavelengths of Operation of 50 cms. Absolute Min. Wavelength of Operation CAPACITANCES (pf) Cag Gge Cae		A B C	See drawing on page 3

NOTES

- A The valve shall be processed so that it will withstand H.T. switching in two stages, viz:- first to half Va then to full Va, when operated in a push-pull oscillator circuit modulated by a pulse of length 1.0 μ.sec., with repetition frequency 500 per sec. and with Va not greater than 8.0 (kV).
- B During testing and operation the air-cooled surface of the anode must be maintained below 140°C. A blast of air blown on to the anode diffuser at the rate of at least 5 cu. ft./min. and on to the grid seal at the rate of approx. 1 cu.ft./min. is suggested.
- C:- At Va = 1kV, Ia = 100 mA.

CV92

TESTS

To be performed in addition to those applicable in K1001.

	T	Test Conditions		man h	Limits		No.	
	۷ť	Va	Ia(mA)	Test	Min.	Max.	Tes-	Note
a	6.0	0	0	Ih(A) (A)	5, 85	7.15	100%	
b ′	6.0	1000	100	v _g (v)	- 19 . 0	-43.0	100%	
С	6.0	1000	100	Reverse Ig (μA) (gas)	-	10	100%	1
ā	6.0	1000	100	Reverse Ig (Emission Current) (mA)	-	10	100%	1
8	6 . 0	500	100	1. Vg 2. Change in Vg from value	Must n positi			
				noted in (b).	17	29	100% 100%	
f	6,0	Anode and grid strapped Peak applied voltage 1.5 kV. tp = 2\u03c4secs. PRF = 50/sec. Pulse shape sinusoidal		Peak emission (A)	40	-	100%	
g	Type 111	leasured using adaptor Type 111 Ref. 10A/19297 See K1001/A.III		·				
	Links to H.P.	Links to L.P.	Links to	CAPACITANCES (pF)				
	2	3	1,4,5,6 7,8,9,10 TF1, TC2	Cag	6.0	10.0	T.A	۱.
	3	1	2,4,5,6 7,8,9,10 TC1, TC2	Cge	8• 25	13.75		
	2	1	3,4,5,6 7,8,9,10 TC1, TC2	Cae	1.5	3. 0		

Note

1. The gas component of the negative Ig can be taken as the immediate decrease in negative current when Vg is rapidly increased to cut-off value. The presence of unsaturated grid emission may render test "o" impossible.

CORONA RING GAUGES

GO' RING GAUGE

NO GO' RING GAUGE





