Dated 15.7.47.

Specification MAP/CV288/Issue 3

To be read in conjunction with K.1001,

## VALVE ELECTRONIC

CV288

Specification

SECURITY

Valve

ignoring clause 5.3. > Indicates a change TYPE OF VALVE: Disc seal Triode MARKING CATHODE: Indirectly Heated See K1001/4 ENVELOPE: Copper-glass PROTOTYPE: VX.3034 RATING DIMENSIONS AND CONNECTIONS Note Heater Voltage 15.0 Heater Current 3.0 See drawing on page 3. Max. D.C. Anode Voltage 1.0 Max. Pulse Anode Voltage 6.0 Max. Anode Dissipation 250 A Min. Peak Anode Current 60 Amplification Factor В 40 Mutual Conductance В 30 Efficiency: (1) at 500 Mc/s with 7db gain 60% (2) at 1000 Mc/s with 3 db gain 30% CAPACITANCES (pF) 16.5 Cag Cgo 22.0 Cac 0.4 NOTES A. For this dissipation forced air cooling shall be provided by not less than 20 cu. ft. of air per min. through the anode radiator with a pressure drop of

the order of 2 inches of water and approx. 5 cu. ft. of air per min. through the grid diffuser. The temperature on the outside of the anode flange and on the copper part of grid disc should not exceed 100°C. These conditions

apply for ambient temperatures up to 30°C.

B. For Va = 1.0 kV., Ia = 250 mA.

CV288

To be performed in addition to those applicable in K. 1001

	Test Conditions				Test		Lin Min.	its Max.	No. Tested	Notes
	٧f	Vg	Va	Ia(mA)						
a	15•0	<b>-</b> 500	4.0 kV		Conditions to be maintained for period of one without flashing			100%	1	
b	15.0	0	0	0	If	(A)	2.7	3.3	100%	
C	15.0	adjust	1000	250	٧g	(V)	-10	-20	100%	
d	15.0	adjust	1000	250	Reverse Ig	(AIN)	-	20	100%	
е	15•0	adjust	800	250	Vg change from value found in test (c)	(₹)	3.3	6.6	100%	
f	15.0	adjust 1000 250 Peak grid swing ±1V. max.			gm	(mA/V)	20	-	100%	
g	15.0	adjust	1000	50	٧g	(V)	-	-40	100%	
h	Anode and grid strapped. Peak applied voltage = 750, Tp = 2 a sec., pulse shape sinusoidal. prf = 500/s				Peak emission	(A)	60	-	100%	
j	Measurement to be made at a frequency of 1.0 Mc/s.				Capacitances (I Cag Cog Cac	oF)	15.0 19.0 -	18.0 25.0 0.6	6 per week	

NOTES

1. Test (a) forms part of the processing of the valve, and having been met during manufacture, shall not be repeated for acceptance testing. For this hot flash test, applied voltages shall be supplied through a circuit as in fig.1.

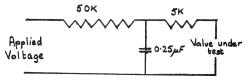


Fig. 1

2. For the above tests forced air cooling, as detailed in Note A on page 1, shall be used.

