VALVE ELECTRONIC

CV288

Specification MAP/CV288/Issue 3	SECURITY					
Dated 15.7.47. To be read in conjunction with K.1001, ignoring clause 5.3.	Specification RESTRICTED	Valve RESTRICTED				
Indicates a change						

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	1			- 1	

TYPE OF VALVE: Disc seal Triode CATHODE: Indirectly Heated ENVELOPE: Copper-glass PROTOTYPE: VX.3034	i		MARKING See K1001/4
RATING		Note	DIMENSIONS AND CONNECTIONS
Heater Voltage (V) Heater Current (A) Max. D.C. Anode Voltage (KV) Max. Pulse Anode Voltage (KV)	15.0 3.0 1.0 6.0		See drawing on page 3.
Max. Anode Dissipation (W) Min. Peak Anode Current (A) Amplification Factor Mutual Conductance (mA/V) Efficiency:	250 60 40 30	B B	
(1) at 500 Mo/s with 7db gain (2) at 1000 Mo/s with 3 db gain	60% 30%		
CAPACITANCES (pF) Cag Cgo Cac	16.5 22.0 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

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		Test Conditions			Test			Limits		Notes
<u> </u>				,			Min.	Min. Max.		
	Vf	∇g	Va.	Ia(mA)						
a	15•0	-500	4.0 kV	***	Conditions to be maintained for a period of one minute without flashing.				100%	1
b	15.0	0	0	0	If	(A)	2.7	3.3	100%	
c	15.0	adjust	1000	250	Vg	(V)	-10	-20	100%	
đ	15.0	adjust	1000	250	Reverse Ig	(ALA)	-	20	100%	
8	15•0	adjust	800	250	Vg change from value found in test (c)	(₹)	3.3	6.6	100%	
f	15•0	adjust Peak g ±1V.	rid swi	250 ng	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 in sec., pulse shape sinusoidal. prf = 500/s		Peak emission	(A) ·	60		100%			
j		frequen	to be mu cy of 1		Capacitances (p Cag Cog Cac	F)	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.

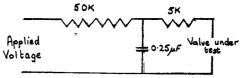


Fig. 1

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

