Specification MAP/CV46/Issue 4.				
Dated 14.1.49	SECURITY			
To be read in conjunction with	Specification	Valve		
K1001, ignoring clauses:- 5.2, 5.8, 7.2.	- Massacotta	UNCLASSIFIED		
Indicates a chang	- unclassyc	*		
	-			
TYPE OF VALVE - Triode	MARKING			
CATHODE - Directly heated thoriated tungsten	See K1001/4			
	PACKING			
ENVELOPE - Metal - glass construction.	See K1005			
	B	BASE		
	None			
RATING	DIMENSIONS			
Note	See Pag			
Filament Voltage (V) 8.25	1 7	• •		
Filament Current (A) 7.0	ll /			
Maximum Anode Voltage (kV) 2.0				
Maximum Anode Dissipation (W) 150 B Amplification factor 15.5 A	/ / /			
Anode Impedance (0) 5000 / A		İ		
Max. Operation Frequency (Mc/s) (100)				
CATACITA NOTES	7			
CAPACITANCES				
Anode to grid Grid to filament (pr) 3.75 pr) 2.2				
Anode to filament (pF) 0.9				
NOTES				
A: At $V_a = 1.0$ kV, $I_a = 100$ mA				
B: Forced air cooling must be provided so t anode radiator does not exceed 140°C mea	that the temperatu	re of the		
the anode and the cooling fins. A suita	ble air flow is a	pproximately		
15 cuft, per minute with a pressure dro	p across the valv	e of the order		
of 1½ inches of water. Forced air cooli	ng must be applie	d before the		
C: The valve must be mounted vertically.				
	drawn to the frag	dility of the		
valve seals, and consequently special ca	re should be exer	cised in the		
mechanical design of associated circuits	•			
<i>(</i>				
		0		

CV46

-	To be	perform	ned in a	ddition to	those applicable	in Kl	001.		
		Test Conditions			Test		Limits		No.
	-	1050	OOMAL 0.	LOM	1020		Min.	Max.	Teste
	the to measur able a	emperata red at vir flow	re of the junc v is app	the anode rection of the erox. 15 cu.	air cooling shal diator shall not anode and the c ft. per minute w of $1\frac{1}{2}$ inches of w	excee ooling ith a	d 140°C. fins.	A suit-	
a	Vf	Va.	٧g	Ia(mA)					
	8. 25 A. C.	0	0		If	(A)	6.4	7.6	100%
ъ	8. 25	1500		100	Reverse Ig	(μ A)	-	10	100%
	A.C. Maintained for 5 minutes.			The last 3 one minute readings to be steady.					
С	8. 25 A. C.	1000	-	100	-Vgl	(₹)	19	29	100%
đ	8. 25 A. C.	700	-	100	Vg change from value obtained in test (c)	(∀)	14	22	(1)
е	8.25 A.C.	Strapped. Peak - applied voltage 1500V. Test to be performed by an approved method.			Ie	(A)	5		100%
f	8 ₆ 25 A ₆ C ₆	-	-104	4	Va	(v)	1325	1700	100%
	To be measured using Adaptor Type 100. Ref. 10A/17529. See K1001/AIII								
	Links H.P.	1	nks to L.P.	Links to E	CAPACITANCES				
g	2		3	1,4,5,6, 7,8,9,10 TC1, TC2	Cag	(pF)	3.0	4.5	6 per
	3		1	2,4,5,6, 7,8,9,10 TC1, TC2	Cgf	(pF)	1.5	2,9	week

