Specification MAP/CV178/Issue 3	SECURITY		
Dated 11.1.46. To be read in conjunction with K.1001, ignoring clauses: - 5.2, 5.8, 7.2.	Specification RESTRICTED	<u>Valve</u> RESTRICTED	

Indicates a change

			A HOLLS			
TYPE OF VALVE - Triode osci						
<u>CATHODE</u> - Indirectly heated.			MARKING			
ENVELOPE - Metal-glass			See K1001/4			
PROTOTYPE - E.1458.	566 K1001/4					
	1	The state of the s				
RATING			BASE			
		Note	A PARTIES			
Heater Voltage (V)	6.3-7.0	А	Non e			
Heater Current (A) Max. Continuous Anode	2.7					
Dissipation (W)	50	в,с	DIMENSIONS AND CONNECTIONS			
Max. Anode Dissipation for	~	,,,				
short periods (W)	150	B,D	See drawing on page 3.			
Max. H.T. Voltage under Pulse Modulation Conditions (kV)	, 75					
Max. Continuous Anode	4.75					
Voltage (V)	750		·			
Amplification Factor	26					
Min. Operating Wavelength(cms) (a) Pulse Applications	25					
(b) C.W. Applications	50		also per per			
Continuous C.W.Output Power			e de la companya de l			
(W/pair)	1 5	E				
CAPACITANCES (pF)			_			
Cag Cgc	4.5		•			
Cac	4•5 2•0					

NOTES

- A:- The heater volts should be operated as little above 6.3V. as possible.
- B:- The temperature of the anode and grid seals must be kept below 140°C.
- C:- Forced air cooling is necessary, a flow of 4 cu.ft/min. being recommended. The pressure drop is of the order of 1.5" of water.
- D:- An air flow of 15-20 cu.ft/min. with a pressure drop of 3"-4" of water is necessary.
- E:- Under conditions of sustained oscillation with H-T voltage of 500V.

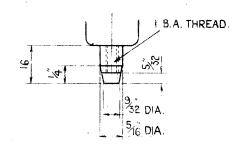
CV178 To be performed in addition to those applicable in K1001

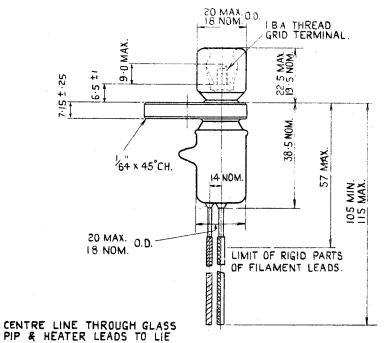
	T								
	Test Conditions					mits	No.	ļ	
	Vh	₹	V a	Ia(mA)		Min	Max.	Tested	Note
a.	7.0	0	0	0	Ih (A)	2.4	3.0	100%	
þ	7.0	-	700	70	Vg* (V)	-8	-23	100%	orew.
C)	7.0		700	70	Reverse Ig (0 1. Gas 2. Grid emiss and/or leak	-	100	100%	1
đ	7.0		1000	70	Vg change fro test (b) (V	om 7	17	100%	
Θ	7.0	1000	1000	-	Peak Ic (A	1) 10	-	100%	2
£	See	K1001,	/AIII		CAPACITANCES (pF)	3.0	6.0		
•,					2. Cgc 3. Cac	3.0	6.0 3.5	T.A.	

NOTES

- 1:- Grid current (gas) is measured as the immediate decrease in the reverse grid current when the negative grid voltage is rapidly increased to cut off anode current. Should the pressure of unsaturated grid emission make this measurement in test (c.1.) impossible the test may be considered to be fulfilled if no trace of gas is evident in test(e).
- 2:- Emission current measured under pulse conditions, with pulse length = 2/usecs., P.R.F. = 50 /sec., and pulse shape sinusoidal.

MAXIMUM OUTSIDE DIMENSIONS OF GRID CONNECTION.
VALVE TO TAKE AN APPROVED JIG COMPRISING THIS GRID CONNECTION AND A SEATING BLOCK FOR THE ANODE.





ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.