

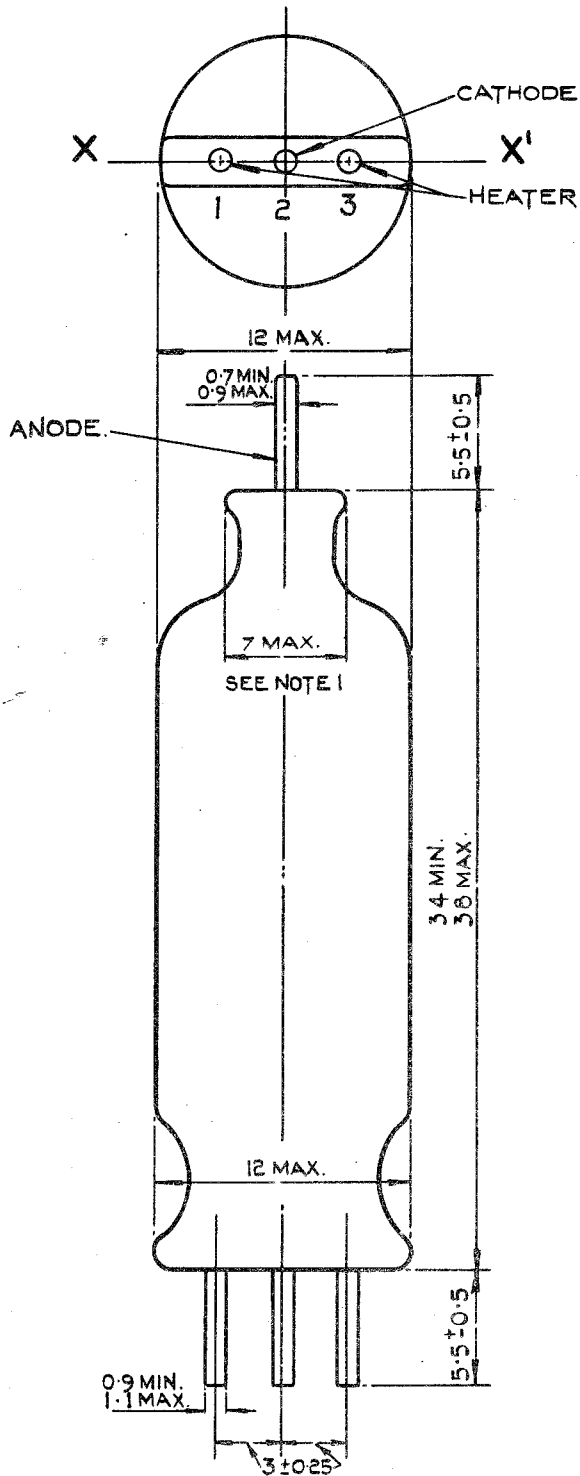
Specification MAP/CV1078/Issue 9 Dated 21.10.47. To be read in conjunction with K1001 ignoring clause:- 5.2.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

—————> Indicates a change

<u>TYPE OF VALVE</u> - Diode <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass-unmetallised <u>PROTOTYPE</u> - D.1.		<u>MARKING</u> See K1001/4	
<u>RATING</u>		<u>BASE</u> Rigid Wires.	
		<u>Note</u>	
Heater Voltage (V)	4.0	Pin	Electrode
Heater Current (A)	0.2		
Max. Peak Anode Current (mA)	50	1	Heater
Max. Mean Anode Current (mA)	5.0	2	Cathode
Max. Peak Inverse Voltage (V)	350	3	Heater
Max. H/C Voltage D.C. (V) with cathode +ve to heater.	300	Top Wire	Anode
Max. H/C Voltage D.C. (V) with heater +ve to cathode.	75	<u>DIMENSIONS</u> See drawing on page 3.	
<u>CAPACITANCES (pF approx.)</u>			
Cac	1.35		
Cah	0.45		
Chc	2.4		

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
a	See K1001/AIII			<u>CAPACITANCES (pF)</u>			
	Links to H.P.	Links to L.P.	Links to E.				
	TC1	2	1,3,4, 5,6,7, 8,9,10 TC2.				
	TC1	1,3	2,4,5, 6,7,8, 9,10, TC2	Cac	-	2.0	6
				Cah	-	1.0	per week
b	Vh	Va		H-G leakage current (μ A)	-	17.0	100%
	See K1001/5.3						
c	4.0	0		Ih (A)	0.18	0.24	100% or S
d	4.0	-100		Leakage current (μ A) Anode to cathode & heater	-	2.0	100%
e	4.0	-0.2		Ia (μ A)	5.0	-	100%
f	4.0	-1.0		Ia (μ A)	-	5.0	100%
g	4.0	10.0		Ia (mA)	34.0	-	100%



NOTES:-

1. THIS DIMENSION MUST BE HELD OVER A DEPTH OF 2.5 MIN.
2. THE CENTRE POINTS OF PINS MAY NOT DEVIATE MORE THAN 0.5 FROM THE LINE X-X'.
3. PINS ARE TO BE PLATED OR DIPPED, SUBJECT TO APPROVAL. THE PINS TO BE FREE FROM IRREGULARITIES AND BURRS

ALL DIMENSIONS IN MILLIMETRES.