

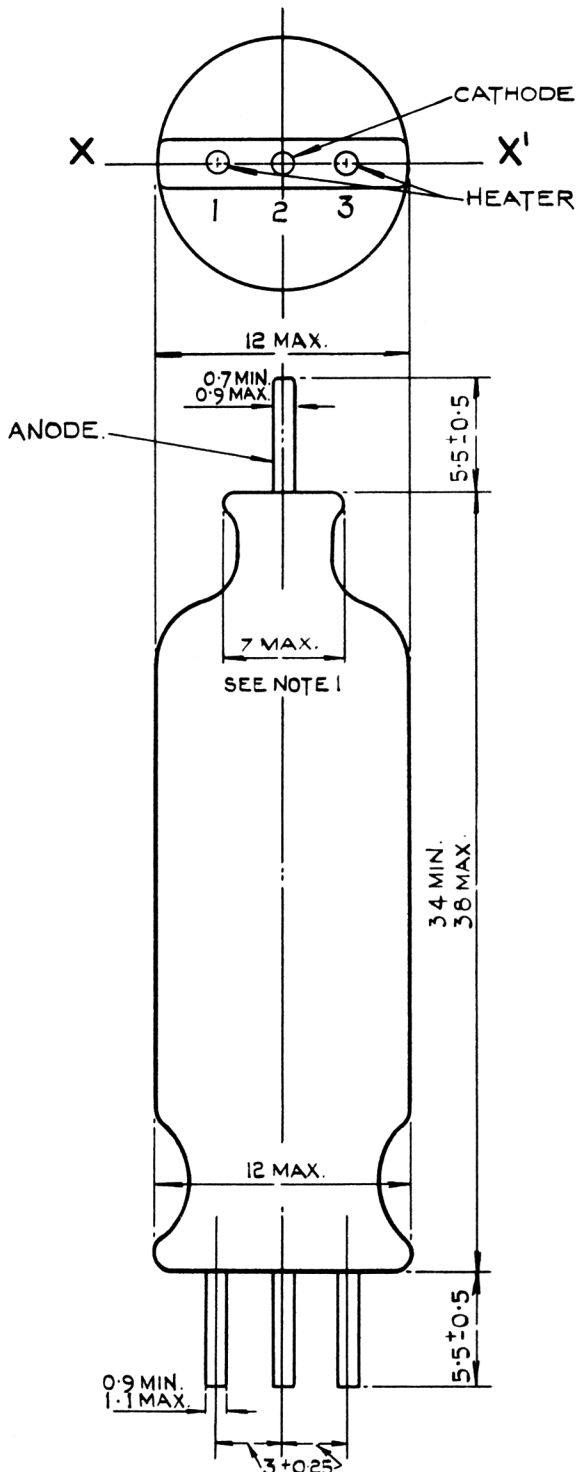
Specification MAP/CV1078/Issue 9 Dated 21.10.47. To be read in conjunction with K1001 ignoring clause:- 5.2.	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>RESTRICTED</td><td>UNCLASSIFIED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	RESTRICTED	UNCLASSIFIED
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
RESTRICTED	UNCLASSIFIED						

————— Indicates a change

<u>TYPE OF VALVE</u> - Diode			<u>MARKING</u> See K1001/4	
<u>CATHODE</u> - Indirectly heated				
<u>ENVELOPE</u> - Glass-unmetallised				
<u>PROTOTYPE</u> - D.1.				
<u>RATING</u>		<u>Note</u>	<u>BASE</u> Rigid Wires.	
Heater Voltage (V)	4.0		<u>Pin</u>	<u>Electrode</u>
Heater Current (A)	0.2		1	Heater
Max. Peak Anode Current (mA)	50		2	Cathode
Max. Mean Anode Current (mA)	5.0		3	Heater
Max. Peak Inverse Voltage (V)	350		Top Wire	Anode
Max. H/C Voltage D.C. (V) with cathode +ve to heater.	300			
Max. H/C Voltage D.C. (V) with heater +ve to cathode.	75			
<u>CAPACITANCES (pF approx.)</u>			<u>DIMENSIONS</u> See drawing on page 3.	
Cao	1.35			
Cah	0.45			
Cho	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>			6 per week			
	Links to H.P.	Links to L.P.	Links to E.							
	TC1	2	1,3,4, 5,6,7, 8,9,10 TC2.					Cac	-	2.0
	TC1	1,3	2,4,5, 6,7,8, 9,10, TC2					Cah	-	1.0
b	Vh	Va		H-O leakage current (μA)	-	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 (μA) Anode to cathode & heater	-	2.0	100%			
e	4.0	-0.2		Ia (μA)	5.0	-	100%			
f	4.0	-1.0		Ia (μA)	-	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.