

Specification MAP/CV1109/Issue 5 Dated 11.9.46. To be read in conjunction with K1001.	<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>RESTRICTED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	RESTRICTED	RESTRICTED
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
RESTRICTED	RESTRICTED						

—————> Indicates a change

<u>TYPE OF VALVE</u> : Triode				<u>MARKING</u> See K1001/4			
<u>CATHODE</u> : Indirectly heated							
<u>ENVELOPE</u> : Glass-Unmetallised							
<u>PROTOTYPE</u> : 4D1							
<u>RATING</u>			Note	<u>BASE</u> B7			
Heater Voltage	(V)	13.0	A	Pin	Electrode		
Heater Current	(A)	0.2		1	No connection		
Max. Anode Voltage	(V)	250		2	No connection		
Mutual Conductance	(mA/V)	4.0		3	No connection		
Amplification Factor		40		4	Heater		
Anode Impedance	(Ω)	10,000		5	Heater		
<u>NOTE</u> A. At $V_a = 250$, $V_{g1} = -3.0$.				6	Cathode		
				7	Anode		
				T.C.	Control grid		
				<u>TOP CAP</u> See K1001/AL/D5.1			
				<u>DIMENSIONS</u> See K1001/AL/D1.			
				Dimension		Min.	Max.
				A	(mm)	108	117
				B	(mm)	-	39
				C	(mm)	-	35

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> C _{ag} C _{ae} C _{ge}	2.2	3.2	6 per week
	Links to H.P.	Links to L.P.	Links to E.				
	7	TC1	1,2,3,4,5, 6,8,9,10 TC2				
	7	1,2,3,4, 5,6,	8,9,10, TC1,TC2.				
	TC1	1,2,3,4, 5,6.	7,8,9,10, TC2.				
b	V _h	V _a	V _g	I _h (A)	0.18	0.22	100% or S
	13.0	0	0				
c	13.0	250	-3.0	I _a (mA)	7.0	13.0	100%
d	13.0 Peak grid swing $\pm 0.5V.$, max.	250	-3.0	g _m (mA/V)	3.5	-	100%
e	13.0	250	-3.0	Reverse I _g (μA)	-	2.0	100%
f	13.0	250	-3.0	μ	32.0	48.0	100% or S
g	13.0	250	-8.0	I _a (mA)	-	1.25	100%
h	13.0	30V. applied to anode and grid strapped.		I _c (mA)	50	-	100%