

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

→ Indicates a change

<u>TYPE OF VALVE</u> : Triode <u>CATHODE</u> : Indirectly heated <u>ENVELOPE</u> : Glass-Ummetallised <u>PROTOTYPE</u> : 4D1	<u>MARKING</u> See K1001/4
---	-------------------------------

<u>RATING</u>			Note	<u>BASE</u> B7	
				Pin	Electrode
Heater Voltage	(V)	13.0		1	No connection
Heater Current	(A)	0.2		2	No connection
Max. Anode Voltage	(V)	250		3	No connection
Mutual Conductance	(mA/V)	4.0	A	4	Heater
Amplification Factor		40	A	5	Heater
Anode Impedance	(Ω)	10,000	A	6	Cathode
				7	Anode
				T.C.	Control grid

NOTE

A. At $V_a = 250$, $V_{g1} = -3.0$.

TOP CAP
See K1001/AI/D5.1

DIMENSIONS
See K1001/AI/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/ALII			Capacitances (pF)			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					Cag	2.2	3.2
	7	1,2,3,4, 5,6,	8,9,10, TC1,TC2.					Cae	2.6	5.3
	TC1	1,2,3,4, 5,6.	7,8,9,10, TC2.	Cge	2.6	4.2				
b	Vh	Va	Vg	Ih (A)	0.18	0.22	100% or S			
	13.0	0	0							
c	13.0	250	-3.0	Ia (mA)	7.0	13.0	100%			
d	13.0	250	-3.0	gm (mA/V)	3.5	-	100%			
	Peak grid swing $\pm 0.5V.$, max.									
e	13.0	250	-3.0	Reverse Ig (μA)	-	2.0	100%			
f	13.0	250	-3.0	μ	32.0	48.0	100% or S			
g	13.0	250	-8.0	Ia (mA)	-	1.25	100%			
h	13.0	30V. applied to anode and grid strapped.		Ic (mA)	50	-	100%			