

Specification MAP/CV1050/Issue 6 Dated 24.1.49 To be read in conjunction with K1001.				SECURITY <u>Specification</u> RESTRICTED <u>Valve</u> UNCLASSIFIED										
—→ Indicates a change														
<u>TYPE OF VALVE</u> -Triode <u>CATHODE</u> - Directly heated - oxide coated. <u>ENVELOPE</u> - Glass - unmetallised <u>PROTOTYPE</u> - HL2K				<u>MARKING</u> See K.1001/4 <u>PACKING</u> See K.1005 <u>BASE</u> B4										
<u>RATING</u>				Pin Electrode										
Filament Voltage (V) 2.0 Filament Current (A) 0.1 Max. Anode Voltage (V) 150 Max. Anode Dissipation (W) 1.0 Mutual Conductance (mA/V) 1.7 Anode Impedance (Ω) 16,500 Amplification Factor 26.5 Max. Operating Frequency (Mc/s) 20				1 Anode 2 Grid 3 Filament negative 4 Filament positive										
<u>CAPACITANCES (pF)</u> Caf 2.6 Cgf 3.5 Cag 3.7				<u>DIMENSIONS</u> See K.1001/AI/D1.										
				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">Dimension</th> <th style="width: 10%;">Min.</th> <th style="width: 10%;">Max.</th> </tr> <tr> <td>A (mm)</td> <td style="text-align: center;">-</td> <td style="text-align: center;">90</td> </tr> <tr> <td>B (mm)</td> <td style="text-align: center;">-</td> <td style="text-align: center;">28</td> </tr> </table>		Dimension	Min.	Max.	A (mm)	-	90	B (mm)	-	28
Dimension	Min.	Max.												
A (mm)	-	90												
B (mm)	-	28												
<u>NOTE</u> A: $V_a = 100$, $V_g = 0$.														

To be performed in addition to those applicable in K.1001.

Test Conditions				Test	Limits		No. Tested
					Min.	Max.	
a	See K1001/AIII. Measured using adaptor type 35. Ref. 10A/13331			<u>CAPACITANCES (pF)</u>			6 per week
	Links to H.P.	Links to L.P.	Links to E.				
	1	3,4	2,5,6,7 8,9,10 TC.1, TC.2.		1. Caf	- 4.0	
	2	3,4	1,5,6,7 8,9,10 TC.1, TC.2.		2. Cgf	- 4.5	
	1	2	3,4,5,6 7,8,9, 10 TC1 TC.2.	3. Cag	- 5.5		
	Vf	Va	Vg				
b	2.0	0	0	If (A)	0.09	0.12	100% or S
c	2.0	100	0	Ia (mA)	2.3	4.1	100%
d	2.0 Peak grid swing	100 + 0.5V.max.	0	gm (mA/V)	1.35	2.00	100%
e	2.0	100	-2	Reverse Ig (μA)	-	1.0	100%
f	2.0	100	0	μ	23	30	100% or S
g	2.0 to 1.8	100	0	Ia drop (mA)	-	0.5	100%