

Specification MAP/CV1130/Issue 6 Dated 9.10.47. To be read in conjunction with K1001	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u> RESTRICTED</td><td><u>Valve</u> UNCLASSIFIED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED
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→ Indicates a change

<u>TYPE OF VALVE</u> - Triode				<u>MARKING</u> See K1001/4			
<u>CATHODE</u> - Directly heated							
<u>ENVELOPE</u> - Glass-metallised							
<u>PROTOTYPE</u> - HL23							
<u>RATING</u>			Note	<u>BASE</u> M.O.			
				Pin	Electrode		
Filament Voltage (V)	2.0	A	1	Filament			
Filament Current (A)	0.05		2	Pin omitted			
Max. Anode Voltage (V)	150		3	Anode			
Mutual Conductance (mA/V)	1.5		4	Pin omitted			
Amplification Factor	32		5	Control grid			
Anode Impedance (Ω)	21,000		6	Metallising			
<u>CAPACITANCES (pF)</u>			7	Pin omitted			
Caf	4.7	A	8	Filament			
Cgf	2.5		<u>DIMENSIONS</u>				
Cag	4.7		See K1001/AI/D1.				
<u>NOTE</u>				Dimensions			
A. At $V_a = 100$, $V_g = 0$.				Min.		Max.	
				A (mm)		78	88
				B (mm)		-	32

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
a	See K1001/AIII			<u>Capacitances</u> (pF)	4.0	5.4	1% (20)
	Links to H.P.	Links to L.P.	Links to E.				
	3	1,6,8	2,4,5,7,9,10,TC1,TC2.	Caf			
	5	1,6,8	2,3,4,7,9,10,TC1,TC2	Cgf	1.8	3.25	
	3	5	1,2,4,6,7,8,9,10TC1,TC2	Cag	4.0	5.4	
	Vf	Va	Vg				
b	2.0	0	0	If (A)	0.047	0.057	100%
c	2.0	120	-1.5	Ia (mA)	0.85	2.0	100%
d	2.0	120	-1.5 to 0	Ia rise (mA)	1.60	-	100%
e	2.0	120	-1.5	Reverse Ig (μ A)	-	0.75	100%
f	2.0	120	-6.0	Ia (mA)	-	0.05	100% or S
g	2.0	120	-1.5	μ	26.0	37.0	100% or S
h	2.0	Strapped. Applied voltage 10V.RMS. at 50 c.p.s.		Mean Ic (mA)	3.5	-	100%