

Specification MAP/CV1130/Issue 6 Dated 9.10.47. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

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

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested					
					Min.	Max.						
a	See K1001/AIII			Capacitances (pF)			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	4.0	5.4		
	5	1,6,8	2,3,4,7, 9,10, TC1,TC2					Cgf	1.8	3.25		
	3	5	1,2,4,6, 7,8,9,10 TC1,TC2	Cag	4.0	5.4						
b	Vf	Va	Vg	If (A)	0.047	0.057	100%					
	2.0	0	0									
	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%	