

Specification MDS/CV1306/Issue 7 Dated 2.1.46. 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> Double-diode triode				<u>MARKING</u>		
<u>CATHODE:-</u> Directly Heated				See K1001/4		
<u>ENVELOPE:-</u> Glass-metallised						
<u>PROTOTYPE:-</u> HL 23DD.						
<u>RATING</u>				<u>BASE</u>		
				MO		
				Note		
Filament voltage (V)				Pin		
2.0				Electrode		
Filament current (A)				1		
0.05				Filament -ve		
Max. anode volts (V)				2		
150				No connection		
Mutual conductance (mA/V)				3		
1.2				Anode		
Amplification factor				4		
25				No connection		
Anode impedance (ohms)				5		
21000				Diode 2		
<u>CAPACITANCES (pF)</u>				6		
				Metallising		
Cag				7		
3.5				Diode 1		
Ca - all				8		
10.0				Filament +ve		
Cg - all				T.C.		
5.5				Control Grid		
<u>NOTES</u>				<u>TOP CAP</u>		
				See K1001/AI/D5.1		
A. Measured at $V_a = 120$				<u>DIMENSIONS</u>		
$V_{g1} = -1.5$				See K1001/AI/D1		
				<u>Dimension</u>		
				Min.		
				Max.		
				A mm		
				88		
				98		
				B mm		
				-		
				33		

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. Tested
					Min	Max	
a	See K1001/ATII.			Capacitances (pF)			6 per week.
	Links to H.P.	Links to L.P.	Links to E.				
	TC1	3	1,2,4,5, 6,7,8,9, 10, TC2.	(i) Cag	2.5	4.5	
	3	1,5,6,7, 8, TC1.	2,4,9,10, TC2.	(ii) Ca-all	8.5	11.5	
	TC1	1,3,5,6, 7,8.	2,4,9,10, TC2.	(iii) Cg-all	4.0	7.0	
b	Vf	Va	Vg				
	2.0	-	-	If (A)	0.047	0.057	100% or S
c	2.0	120	-2	Ia (mA)	0.6	1.8	100%
d	2.0	120	-2 to 0	Ia rise (mA)	1.9	2.8	100%
e	2.0	120	-1.5	μ	20	30	5% (20)
f	2.0	120	-2	Rev. Ig (μ A)	-	0.5	100%
g	<u>Double Diode Section.</u> With Vf = 2.0, a voltage will be applied to the anode of Diode 1 such that the diode current is less than 10 μ A. The voltage will then be increased by 5 volts and the diode current shall be not less than 250 μ A. The same test shall be applied to Diode 2.						100%