

Specification MOS/CV1331/6 Dated : 25.9.45. 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> : Variable $\mu$ H.F. Pentode <u>CATHODE</u> : Directly heated <u>ENVELOPE</u> : Metallised <u>COMMERCIAL PROTOTYPE</u> : Mazda VP23	<u>MARKING</u>  As in K1001/4
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<u>RATING</u>	<u>Note</u>	<u>BASE</u> M.O. 6-pin
Filament Voltage	2.0	Pin 1   Filament - ve
Filament Current (amps)	0.05	Pin 2   Pin omitted
Max. Anode Voltage	150	Pin 3   Anode
Max. Screen Voltage	150	Pin 4   Screen Grid
Anode Current (mA)	3.15	Pin 5   Suppressor Grid
Mutual Conductance (mA/V)	1.1	Pin 6   Metallising
		Pin 7   Pin omitted
		Pin 8   Filament + ve
		T.C.   Control Grid
		<u>TOP CAP</u>

<u>NOTES</u>	See K1001/A1/D5.1									
	<u>DIMENSIONS</u> See K1001/A1/D1									
	<table border="1"> <thead> <tr> <th>Dimension</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A mm</td> <td>88</td> <td>96</td> </tr> <tr> <td>B mm</td> <td>-</td> <td>33</td> </tr> </tbody> </table>	Dimension	Min.	Max.	A mm	88	96	B mm	-	33
Dimension	Min.	Max.								
A mm	88	96								
B mm	-	33								

A. Measured at  $V_a = 120$  volts  
 $V_{g2} = 60$  "  
 $V_{g1} = 0$  "

CV1331

Page 2.

## TESTS

To be performed in addition to those applicable in K1001

Test Conditions					Test	Limits		No. Tested			
						Min.	Max.				
See K1001/AIII					Capacitances (pF)			T.A.			
a	Links to H.P.	Links to L.P.	Links to E.						Cag	-	0.01
	3	TC	1,2,4,5,6, 7,8,9,10. TC2.						Cae	9.0	11.0
	3	1,4,5,6, 8.	2,7,9,10, TC1, TC2.						Cge	7.0	9.0
	TC1	1,4,5,6, 8.	2,3,7,9, 10,TC2					per week			
b	Vf	Va	Vg2	Vg1	Vg3	If (amps)	0.047	0.057	100% or S		
	2.0	-	-	-	-						
c	2.0	120	60	0	0	Ia (mA)	2.1	4.2	100%		
d	2.0	120	60	0	0	Ig2 (mA)	0.45	1.5	100%		
e	2.0	120	60	0 to -1	0	gm (mA/V)	0.9	1.35	100%		
f	2.0	120	60	-1.5	0	Rev. Ig ( $\mu$ A)	-	0.5	100%		
g	2.0	120	60	-8	0	Ia ( $\mu$ A)	8	100	100%		
h	2.0	120	60	0	Read	Vg3 (adjusted so that Ia is 50% of that obtained in clause c)	-10	-25	0.1% (4)		

DATA SHEET

