

Specification MOS/CV1323/Issue 6 Dated:- 17.6.46. 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> H.F. Pentode		<u>MARKING</u>		
<u>CATHODE:-</u> Directly heated		See K1001/4		
<u>ENVELOPE:-</u> Glass metallised				
<u>PROTOTYPE:-</u> VP 2				
<u>RATING</u>		Note	<u>BASE</u> B7	
Filament Voltage (V)	2.0	A B	Pin	
Filament Current (A)	0.18		1	Electrode
Max. Anode Voltage (V)	150		2	Metallising
Max. Screen Voltage (V)	150		3	Control Grid
Mutual Conductance(1) (mA/V)	1.7		4	Suppressor Grid
Mutual Conductance(2) (mA/V)	0.14		5	Filament
Anode Impedance (MΩ)	0.75		6	Filament
<u>CAPACITANCES (pF)</u>			7	No connection
Cag	0.007		T.C.	Screen Grid
Cae	6.3			Anode
Cge	12.0		<u>TOP CAP</u> See K1001/AI/D5.1	
<u>NOTES</u>		<u>DIMENSIONS</u>		
A. Measured at $V_a = 150$, $V_{g2} = 150$, $V_{g1} = 0$.		See K1001/AI/D1		
E. Measured at $V_a = 150$, $V_{g2} = 150$, $V_{g1} = -5.5$.		Dimension	Min.	Max.
This valve type is obsolete and this specification is for record purposes only.		A mm	126	134
		L mm	111	118
		B mm	44	48

TESTS

To be performed in addition to those applicable in K1001.

	Test conditions					Test	Limits		No. tested
							Min.	Max.	
a	See K1001/AIII.					CAPACITANCES (pF)			
	Links to H.P.	Links to L.P.	Links to E			(i) Cag	-	0.01	T.A.
	TC1	2	1,3,4,5,6,7,8,9,10,TC2.						
	TC1	1,3,4,5,6,7.	2,8,9,10,TC2.						
2	1,3,4,5,6,7.	TC1,TC2,8,9,10.							
b	Vf	Va	Vg3	Vg2	Vg1	If (A)	0.16	0.2	100% or S
	2.0	-	-	-	-				
c	2.0	150	0	150	0	Ia (mA)	2.8	4.7	100%
d	2.0	150	0	150	0	Ig2 (mA)	0.8	1.6	100%
e	2.0	150	0	150	0 to -1	gm (mA/V)	1.3	1.85	100%
f	2.0	150	0	150	-5 to -6	gm (mA/V)	-	0.14	100% (50)
g	2.0	150	0	150	-1	Rev. Ig (uA)	-	1.0	100%