

Specification MOS/CV1332/Issue 4 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(variable u )		<u>MARKING</u> See K1001/4	
<u>CATHODE:-</u> Directly heated			
<u>ENVELOPE:-</u> Glass-metallised			
<u>PROTOTYPE:-</u> 210 VPT, VP21.			
<u>RATING</u>		Note	<u>BASE</u> B7
Filament voltage (V)	2.0	A	Pin
Filament current (A)	0.1		1
Max. anode voltage (V)	150		2
Max. screen voltage (V)	80		3
Max. anode dissipation (W)	1.0		4
Max. screen dissipation (W)	0.3		5
Mutual conductance (mA/V)	1.1		6
			7
			T.C.
			Electrode
			Metallising
			Control grid
			Suppressor grid
			Filament
			Filament
			No connection
			Screen grid
			Anode
<u>CAPACITANCES (pF)</u>			<u>TOP CAP</u> See K1001/AI/D5.1
Cag (max.)	0.006		
Cae	11.0		
Cge	8.8		
<u>NOTES</u>			<u>DIMENSIONS</u> See K1001/AI/D1
A. Measured at $V_a = 150$ , $V_{g2} = 60$ , $V_{g1} = 0$ .			Dimension
			Min.
			Max.
		A mm	117
		B mm	-
			125
			39
This valve type is obsolete and this specification is for record purposes only.			

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	-	0.006	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.	8,9,10,TC1,TC2.							
b	Vf	Va	Vg3	Vg2	Vg1	If (A)	0.09	0.11	100% or S
	2.0	0	0	0	0				
c	2.0	150	0	60	0	Ia (mA)	1.9	3.9	100%
d	2.0	150	0	60	0	gm (mA/V)	0.9	-	100%
Peak grid swing $\pm$ 0.5V max.									
e	2.0	150	0	60	0	Ig2 (mA)	0.5	1.0	100% or S
f	2.0	150	0	60	-10	Ia (mA)	0.01	0.25	100%
g	2.0	150	0	60	-1	Rev. Ig. (uA)	-	1.0	100%