

Specification AD/CV1238/Issue 2 Dated 7.11.46. To be read in conjunction with K1001.	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specn.</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specn.</u>	<u>Valve</u>	Restricted	Unclassified
<u>SECURITY</u>							
<u>Specn.</u>	<u>Valve</u>						
Restricted	Unclassified						

<u>TYPE OF VALVE:-</u> Pentode.				<u>MARKING</u>			
<u>CATHODE:-</u> Directly heated.				See K1001/4.			
<u>ENVELOPE:-</u> Glass.							
<u>PROTOTYPE:-</u> PM24D.							
<u>RATING</u>				<u>BASE</u>			
				B5			
				See K1001/AIV/D5.2.			
				<u>Note</u>			
Filament Voltage	(V)	4.0	A	Pin	Electrode		
Filament Current	(A)	2.0		1	Anode		
Max. Anode Voltage	(V)	500		2	Control Grid		
Max. Screen Voltage	(V)	200		3	Filament		
Mutual Conductance	(mA/V)	3.0		4	Filament		
				5	Screen Grid		
				<u>DIMENSIONS</u>			
				See K1001/AI/D1.			
<u>CAPACITANCES (pF.)</u>				Dimension	Min.	Max.	
Ca-all		21.0 max.		A mm	-	160	
				B mm	-	67	
<u>NOTE</u>							
A. Va = 200 V, Vg2 = 200 V, Vg1 = -25 V.							

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg2 (V)	Vg1 (V)	Ia (mA)		Min.	Max.	
a	4.0	-	-	-	-	Ia (A)	1.7	2.3	1% (20)
b	4.0	500	200	Ad- just- ed	60	i. -I _{g1} at end of test. (μA)	-	15	100%
	For 10 mins. Value of -V _{g1} to be checked every minute.					ii. Variation of -V _{g1} after 1st minute (V)	-	2	
c	4.0	500	200	-35		i. Ia (mA)	40	85	100%
d	4.0	200	200	-20		ii. Ia (mA)	90	130	100%
e	4.0	500	200	-35	-	I _{g2} (mA)	11	17	100%
f	4.0	200	200	-20	x	x - y (mA)	30	60	100%
	4.0	200	200	-30	y				
g	See K1001/AIII					<u>Capacitance</u>	-	21	1% (20)
	Pins to H.P.		Pins to L.P.		Pins to E	Ca-all (pF)			
	1		2,3,4, 5.						