

Specification AD/CV1238/Issue 2 Dated 7.11.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<p><u>TYPE OF VALVE:-</u> Pentode.</p> <p><u>CATHODE:-</u> Directly heated.</p> <p><u>ENVELOPE:-</u> Glass.</p> <p><u>PROTOTYPE:-</u> PM24D.</p>	<p><u>MARKING</u></p> <p>See K1001/4.</p>
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<u>RATING</u>		Note	<u>BASE</u>			
			B5 See K1001/AIV/D5.2.			
Filament Voltage	(V)		4.0	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		
		A	5	Screen Grid		
<u>CAPACITANCES (pF.)</u>			<u>DIMENSIONS</u>			
Ca-all			21.0 max.	See K1001/AI/D1.		
				Dimension	Min.	Max.
		A mm		-	160	
			B mm	-	67	

NOTE

A. $V_a = 200 \text{ V}$, $V_{g2} = 200 \text{ V}$, $V_{g1} = -25 \text{ V}$.

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested	
	Vf	Va	Vg2	Vg1	Ia		Min.	Max.		
	(V)	(V)	(V)	(V)	(mA)					
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.								