

Specification AD/CV1169/Issue 5. Dated 10.6.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Vari- μ H.F. Pentode.		<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.		See K1001/4.		
<u>ENVELOPE:-</u> Glass-metallised.		<u>BASE</u>		
<u>PROTOTYPE:-</u> VMP4G.		B7		
		See K1001/AIV/D5.3.		
<u>RATING</u>		<u>Pin</u>	<u>Electrode</u>	
		1	Metallising	
		2	Control grid	
		3	Suppressor grid	
		4	Heater	
		5	Heater	
		6	Cathode	
		7	Screen grid	
		TC	Anode	
Heater Voltage (V)	4.0			
Heater Current (A)	1.0			
Max. Anode Voltage (V)	250			
Max. Screen Voltage (V)	100			
Mutual Conductance (mA/V)	2.7	A		
<u>NOTE</u>		<u>TOP CAP</u>		
A. $V_a = 200$, $V_{g2} = 100$, $V_{g1} = -2$.		See K1001/AI/D5.1.		
		<u>DIMENSIONS</u>		
		See K1001/AI/D1.		
		<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
		A mm	-	140
B mm	-	50		
		<u>PACKING</u>		
		See K1001/7.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)		Min.	Max.	
a	4.0	-	-	-	Ih (A)	0.9	1.1	100%
b	4.0	200	100	-2	Reverse Ig (μA)	-	1.0	100%
c	4.0	200	100	-2	Ia (mA)	5.0	11.0	100%
d	4.0	200	100	-2	Ig2 (mA)	1.5	8.4	100%
e	4.0	200	100	-2	gm (mA/V)	1.75	3.75	100%
f	4.0	200	100	-10	Ia (mA)	0.1	1.6	100%