

Specification AD/CV1198/Issue 5. Dated : 6.12.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve.</u> Unclassified

→ indicates a change.

<u>TYPE OF VALVE:-</u> Triode <u>CATHODE:-</u> Indirectly heated. <u>ENVELOPE:-</u> Glass. <u>PROTOTYPE:-</u> AD/P4.			<u>MARKING</u> See K1001/4.		
			<u>BASE</u> B5		
<u>RATING</u>		Note	See K1001/AIV/D5.2		
Heater Voltage (V)	4.0		Pin	Electrode	
Heater Current (A)	1.1		1	No Connection	
Maximum Anode Volts (V)	700		2	Grid	
Mutual Conductance (mA/V)	7.0		3	Heater	
Amplification Factor	20		4	Heater	
Anode Impedance (Ohms)	2800		5	T.C.	Cathode
			<u>TOP GAP</u> See K1001/AI/D5.1		
<u>CAPACITANCES (pF. approx).</u>			<u>DIMENSIONS</u> See K1001/AI/D1.		
Anode to earth	4.4				
Grid to earth	8.4				
Anode to grid	5.7				
<u>NOTE</u> A. $V_a = 100 \text{ V}$, $V_g = 0$.			<u>PACKAGING</u> See K1005.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No Tested	Note
	Vh (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.		
a	4.0				Ih (A)	0.99	1.21	100% or S	
b	4.0	1000 (Ap- plied thru 0.1 Megohm)	Ad- jus- ted	4.75	Reverse grid current (μA)	-	1.0	100%	
c	4.0	1000 Ap- plied as in test 'b'		4.75	Vg (V)	-19	-33	100%	
d	(i) 4.0	100	0	x	gm (mA/V) [i.e. $\frac{x-y}{3}$]	5.3	-	100%	1
	(ii) 4.0	100	-3	y					
e	4.0	Ad- justed	-1	Value 'x' as in test 'd' (i)	Va (V)	117	126	A small %	1

NOTE

1. Equivalent dynamic methods may be used for tests 'd' and 'e'