

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

<u>TYPE OF VALVE:-</u> Triode			<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.			See K1001/4.		
<u>ENVELOPE:-</u> Glass.			<u>BASE</u>		
<u>PROTOTYPE:-</u> AD/P4.			B5		
<u>RATING</u>			See K1001/AIV/D5.2		
			Note		
Heater Voltage (V)	4.0	A	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	A	5	Cathode	
			T.C.	Anode	
<u>CAPACITANCES (pF. approx.).</u>			<u>TOP CAP</u>		
Anode to earth	4.4		See K1001/AI/D5.1		
Grid to earth	8.4		<u>DIMENSIONS</u>		
Anode to grid	5.7		See K1001/AI/D1.		
			Dimension	Min.	Max.
			A mm		130
			B mm	-	42
<u>NOTE</u>			<u>PACKAGING</u>		
A. $V_a = 100 \text{ V}$, $V_g = 0$.			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(μ A)	-	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	g_m (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
<u>NOTE</u> 1. Equivalent dynamic methods may be used for tests 'd' and 'e'									