

Specification AD/CV1235/Issue 5. Dated 16.1.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Triode, R.F. amplifier oscillator. <u>CATHODE:-</u> Directly heated, thoriated tungsten. <u>ENVELOPE:-</u> Glass, unmetallised. <u>PROTOTYPE:-</u> TX1-50, DET12.		<u>MARKING</u> See K1001/4.		
<u>RATING</u>		Note	<u>BASE</u> B4 See K1001/AIV/D5.1.	
Filament voltage (V)	7.5	A A A	Pin	Electrode
Filament current (A)	3.2		1	No connection
Max. anode voltage (V)	1250		2	No connection
Max. anode dissipation (W)	50		3	Filament
Amplification factor	10		4	Filament
Anode impedance (Ω)	5000		TC1	Anode
Mutual conductance (mA/V)	2.0		TC2	Grid
Max. frequency for above ratings (Mc/s)	100		<u>TOP CAPS AND DIMENSIONS</u>	
<u>CAPACITANCES (pF.)</u> <u>(MAX.)</u>			See Drawing on page 3.	
Caf	1.0		<u>PACKING</u>	
Cgf	2.5	See K1001/7. PACKAGING		
Cag	3.5	SEE K1005		
<u>NOTE</u>				
A. $V_a = 1000$ V, $I_a = 50$ mA.				

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	See K1001/AIII.				<u>Capacitances</u> (pF.)			6 per week
	Links to H.P.	Links to L.P.	Links to E.					
	TC1	3,4.	1,2,5,6,7,8,9,10,TC2.					
	TC2	3,4.	1,2,5,6,7,8,9,10,TC1.					
	TC1	TC2	1,2,3,4,5,6,7,8,9,10.		iii. Cag	-	3.5	
b	Vf (V)	Va (V)	Vg (V)	Ia (mA)	If (A)	2.8	3.6	100% or S
	7.5 AC or DC	0	0	0				
c	Adjusted AC or DC	1000	0	10	Vf (Emission test) (V)	-	4.0	100%
d	7.5 DC or 7.5 AC	800	Adjusted	60	Vg (V)	-30 -34	-50 -54	100%
e	7.5 AC or DC	800	Adjusted	50	Change in -Vg from value in test 'd' (V)	3	6	100%
f	7.5 AC or DC	1000	Adjusted	50	Change in -Vg from value in test 'e' (V)	18	24	100% or S
g	7.5 AC or DC	1000	Adjusted	50	Reverse Ig after 3 mins. (μA)	-	2.0	100%

DIMENSIONS AND CONNECTIONS.

CV1235.

AS CV1288 BUT FITTED WITH BARE FLEXIBLE COPPER LEADS AS SHOWN.

