

VALVE ELECTRONIC **CV1288**
(NT58 and FOVT121A)

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1288/Issue 1. Dated 16.1.47. To be read in conjunction with K1001	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Unclassified
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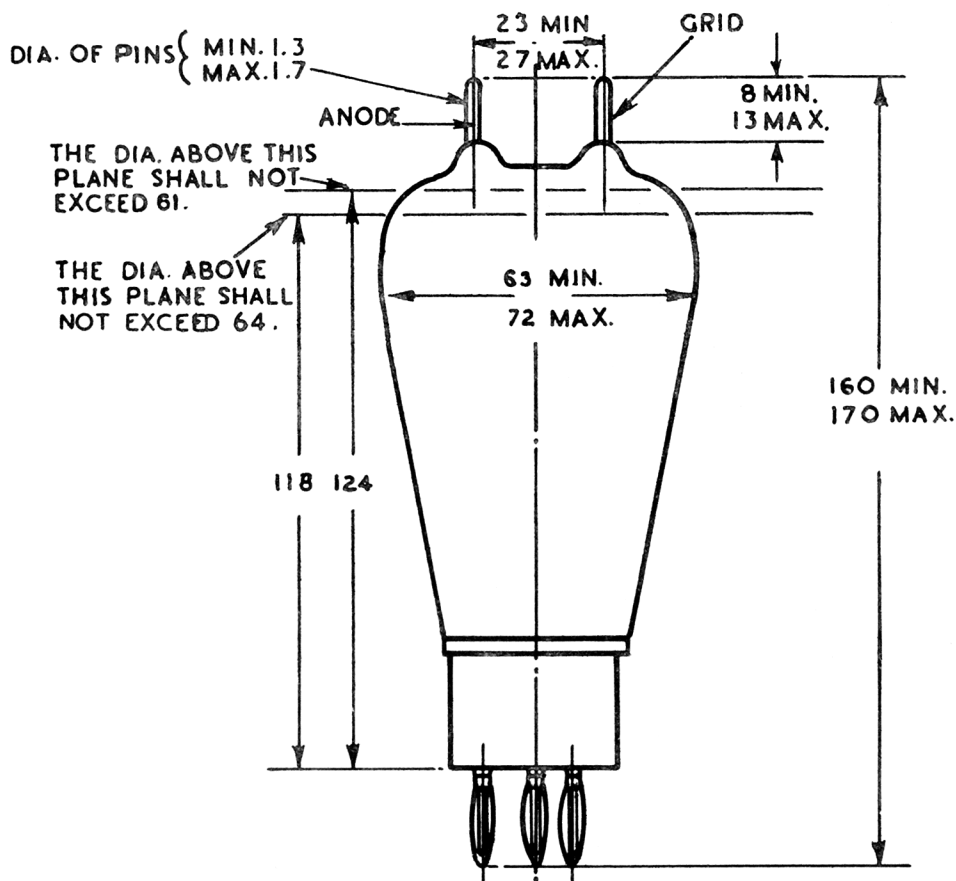
<u>TYPE OF VALVE:-</u> Triode, R.F. Amplifier Oscillator.			<u>MARKING</u>	
<u>CATHODE:-</u> Directly Heated, Thoriated Tungsten.			See K1001/4.	
<u>ENVELOPE:-</u> Glass - Unmetallised.			<u>BASE</u>	
<u>PROTOTYPE:-</u> TY1-50, DET12.			B4	
<u>RATING</u>			See K1001/AIV/D5.1.	
			<u>Note</u>	
Filament Voltage	(V)	7.5	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>CAPACITANCES (pF.)</u> (max.)			<u>TOP CAPS AND DIMENSIONS</u>	
C _{ae}		1.0	See Drawing on page 3.	
C _{ge}		2.5		
C _{ag}		3.5	<u>PACKING</u>	
			See K1001/7.	

NOTEA. $V_a = 1000 \text{ V}$, $I_a = 50 \text{ mA}$.

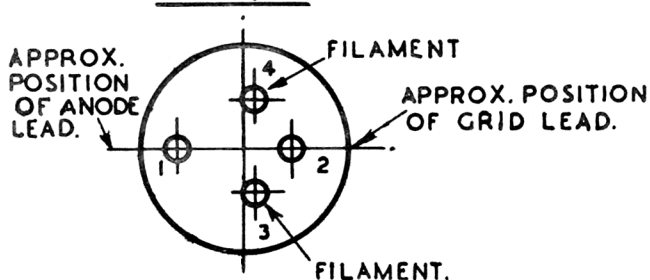
TESTS

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		i. Cae	-	1.0	
	TC2	3,4.	1,2,5,6,7, 8,9,10,TC1		ii. Cge	-	2.5	
	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)				
	7.5 AC or DC	0	0	0	If (A)	2.8	3.6	100%
c	Adjusted AC or DC	1000	0	10	Vf (Emission Test) (V)	-	4.0	100%
d	7.5 DC or 7.5 AC	800	Ad- just- ed	60	Vg (V)	-30 -34	-50 -54	100%
e	7.5 AC or DC	800	Ad- just- ed	50	Change in -Vg from value in test 'd' (V)	3	6	100%
f	7.5 AC or DC	1000	Ad- just- ed	50	Change in -Vg from value in test 'e' (V)	18	24	100%
g	7.5 AC or DC	1000	Ad- just- ed	50	Reverse Ig after 3 mins. (μ A)	-	2.0	100%



VIEW OF UNDERSIDE OF BASE



NOTES:-

1. ANODE AND GRID LEADS TO LIE ON THE SAME SIDE OF THE CENTRE LINE OF THE VALVE AS PINS Nos. 1 & 2 OF BASE RESPECTIVELY AND IN SAME PLANE.
2. ALL DIMENSIONS IN MILLIMETRES.