

Specification AD/CV1252/Issue 4. Dated 8.2.52. To be read in conjunction with K1001, ignoring clause 5.2.	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

→ Indicates a change

<u>TYPE OF VALVE:-</u> Triode. <u>CATHODE:-</u> Directly heated, thieriated tungsten. <u>ENVELOPE:-</u> Glass. <u>PROTOTYPE:-</u> 4212E.	<u>MARKING</u> See K1001/4. <u>Additional Marking</u> Serial No. ....
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<u>RATING</u>	<u>Note</u>	<u>BASE</u> USL4B															
Max. D.C. Voltage (V) 3,000 Filament Voltage (V) 14.0 Nom. Filament Current (A) 6.25 Max. Anode Dissipation (W) 275 Total Emission (A) 4.0 Anode Impedance (ohms) 1,900 Amplification Factor 16 Mutual Conductance (mA/V) 8.4	A A A	See Drawing on Page 3.															
		<u>CONNECTIONS</u>															
		See K1001/AIV/D1.1.															
		<table border="1" style="width: 100%;"> <tr> <th style="width: 20%;">Pin</th> <th>Electrode</th> </tr> <tr> <td>1</td> <td>Anode</td> </tr> <tr> <td>2</td> <td>Grid</td> </tr> <tr> <td>3</td> <td>Filament</td> </tr> <tr> <td>4</td> <td>Filament</td> </tr> </table>	Pin	Electrode	1	Anode	2	Grid	3	Filament	4	Filament					
Pin	Electrode																
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		<u>DIMENSIONS</u>															
		See K1001/AI/D1.															
		<table border="1" style="width: 100%;"> <tr> <th style="width: 30%;">Dimension</th> <th style="width: 20%;">Min.</th> <th style="width: 20%;">Max.</th> </tr> <tr> <td>A mm</td> <td style="text-align: center;">-</td> <td style="text-align: center;">34.5</td> </tr> <tr> <td>B mm</td> <td style="text-align: center;">-</td> <td style="text-align: center;">91</td> </tr> <tr> <td>Y mm</td> <td style="text-align: center;">65.2</td> <td style="text-align: center;">66.5</td> </tr> <tr> <td>Z mm</td> <td style="text-align: center;">-</td> <td style="text-align: center;">280</td> </tr> </table>	Dimension	Min.	Max.	A mm	-	34.5	B mm	-	91	Y mm	65.2	66.5	Z mm	-	280
Dimension	Min.	Max.															
A mm	-	34.5															
B mm	-	91															
Y mm	65.2	66.5															
Z mm	-	280															
		<u>PACKAGING</u>															
		See K1005.															

<u>NOTE</u>
A. $V_a = 2,000 \text{ V}$ , $V_g = -90 \text{ V}$ .

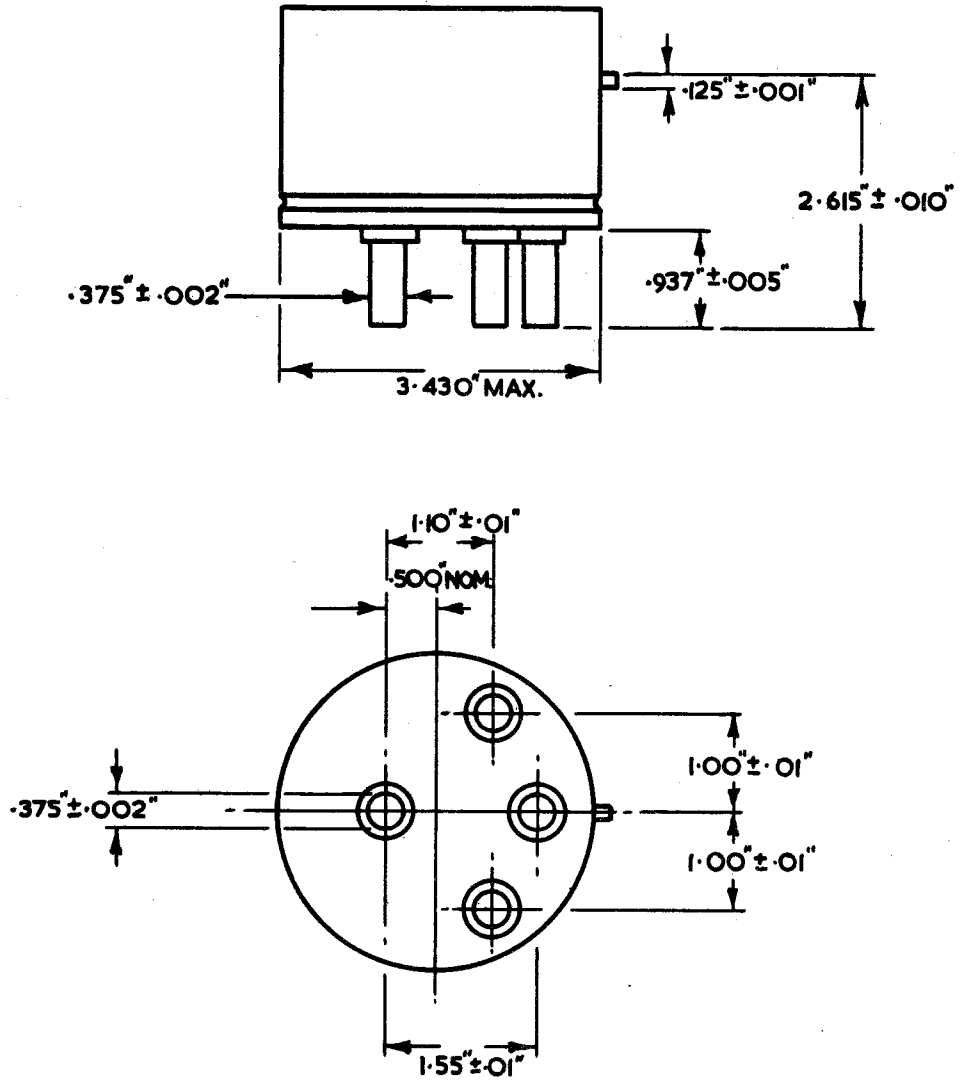
TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested	Notes
	Vf (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.		
a	14.0 A.C. or D.C.	-	-	-	If (A)	5.9	6.6	100%	
b	14.0	1,500 D.C.	Ad- just- ed	200	Reverse Ig				
	These conditions main- tained for 15 minutes; at the end of this time reverse Ig shall not be rising.				at end of test (μA)	-	15	100%	1
c	14.0	1,500 D.C.	-68	-	Ia (mA)	125	190	100%	1
d	14.0	750	750		Peak emission (A)	4	-	100%	1
	See K1001/AV.								

NOTE

1. Voltages Va and Vg are given with respect to the centre-point of the filament transformer.



NOTE:- ON FINISHED TUBE ADD  $.030$ " FOR SOLDER.