

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1223/Issue 4. Dated 13/6/47. To be read in conjunction with K1001.	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specn.</u></td><td><u>Valve.</u></td></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specn.</u>	<u>Valve.</u>	Restricted	Unclassified
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<u>Specn.</u>	<u>Valve.</u>						
Restricted	Unclassified						

<u>TYPE OF VALVE:-</u> Power Amplifier Triode.				<u>MARKING</u> See K1001/4.		
<u>CATHODE:-</u> Directly Heated.				<u>BASE</u> B4 See K1001/AI/D5.1.		
<u>ENVELOPE:-</u> Glass.						
<u>PROTOTYPE:-</u> DET5.						
<u>RATING</u>				Pin	Electrode	
Vf	(V)	4.0	Note A A A	1	Anode	
If	(A)	2.0		2	Grid	
Max. Va	(V)	600		3	Filament	
Max. Wa	(W)	25		4	Filament	
μ		9.5		<u>DIMENSIONS</u>		
gm	(mA/V)	7.5	See K1001/AI/D1.			
Ra	(ohms)	1270				
<u>NOTES</u>				Dimension	Min.	Max.
A. At Va = 100 V, Vg = 0.				A mm	-	170
				B mm	-	67
				<u>PACKING</u> See K1005.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No.
	Vf (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	Tested
a	4.0 A.C. or D.C.				If (A)	1.8	2.2	100% or S
b	4.0 A.C. or D.C.	400	Ad- jus- ted.	62.5	i. Vg (V)	-25	-36	100%
					ii. Variation in Vg after 1st minute (V)	-	-2.0	100%
					iii. Reverse Ig at end of test. (μ A)	-	4.0	100%
	For 10 mins. Vg to be checked every minute.							
c	4.0 A.C. or D.C.	400	± 0.5	62.5	gm (mA/V)	5.0	10.0	100%