

ADMIRALTY SIGNAL ESTABLISHMENT

VALVE TYPE **CV1171**
(NR50)

Specification AD/CV1171/Issue 2. Dated 9.1.46. To be read in conjunction with K1001.	<table> <tr> <td data-bbox="689 220 930 341"> <u>SECURITY</u> <u>Specification</u> Restricted </td> <td data-bbox="936 220 1125 341"> <u>Valve.</u> Restricted </td> </tr> </table>	<u>SECURITY</u> <u>Specification</u> Restricted	<u>Valve.</u> Restricted
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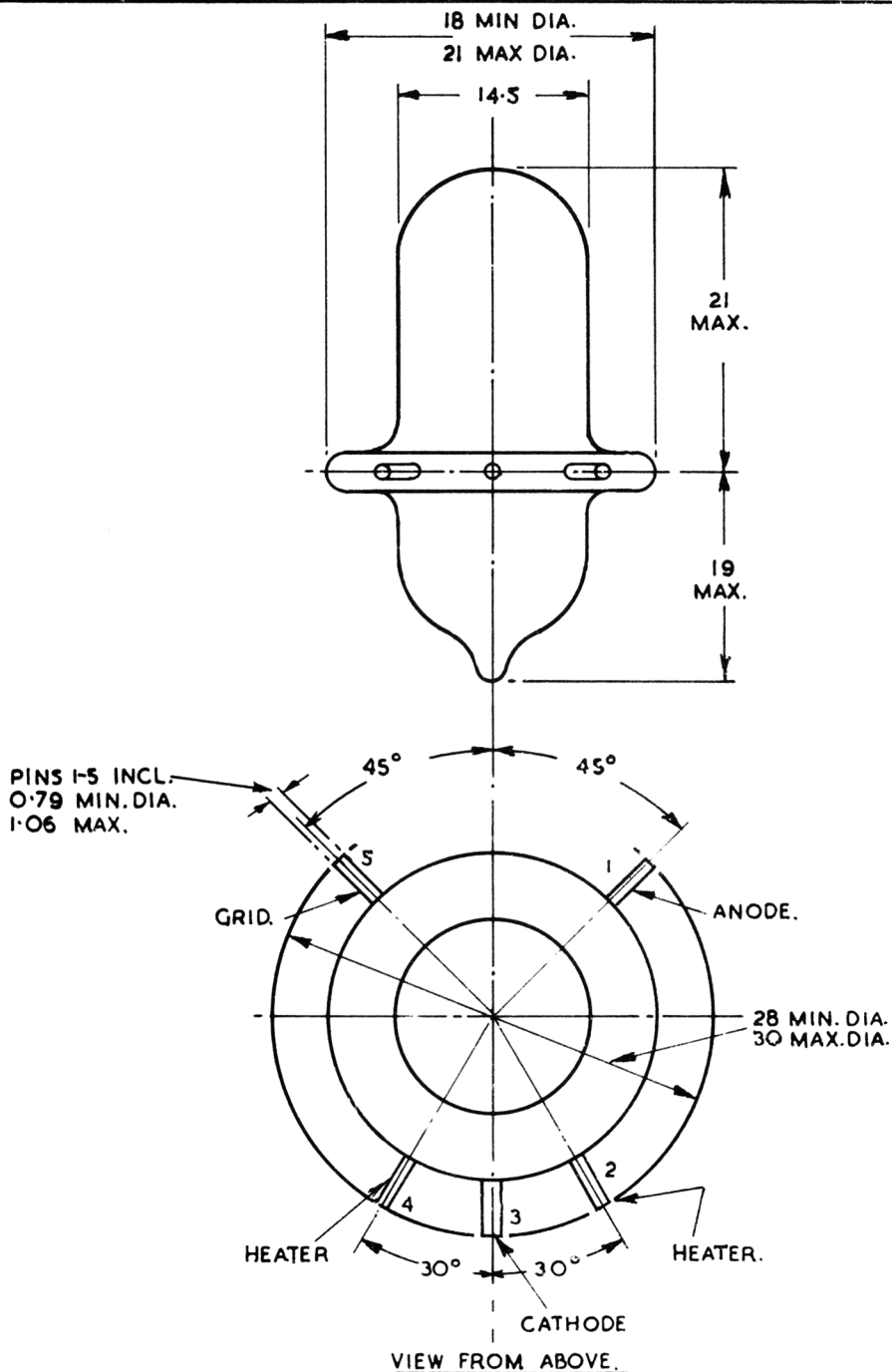
→ Indicates a change

<u>TYPE OF VALVE:-</u> Acorn triode with British pin-spacing.			<u>MARKING</u> See K1001/4
<u>CATHODE:-</u> Indirectly heated.			
<u>ENVELOPE:-</u> Glass. clear.			
<u>PROTOTYPES:-</u> HA1, AT4, A40.			
<u>RATING</u>			<u>DIMENSIONS AND CONNECTIONS</u> See drawing page 3.
		Note	
Heater Voltage	(V)	4.0	
Heater Current	(A)	0.25	
Max. Anode Voltage	(V)	250	
Mutual Conductance	(mA/V)	2.2	
<u>CAPACITANCES (pF.approx.)</u>		A	
Cgc		1.1	
Cac		0.65	
<u>NOTE</u> A. At $V_a = 250$, $V_g = -7$			

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	See K1001/AIII.				Cag with cathode and heater free. (pF.)	-	1.9	6 per week
	Links to H.P.	Links to L.P.	Links to E.	Links omitted				
	2	3	6,7,8,9,10, TC1, TC2.	1,4,5.				
b	Vh (V)	Vg (V)	Va (V)		Ih (A)	0.23	0.27	100% or S
	4.0	-	-					
c	4.0	-7	250		Ia (mA)	3.6	8.8	100%
d	4.0	-7	250		gm (mA/V)	1.65	2.75	100%
e	4.0	-7	250		μ	21.5	28.5	100%
f	4.0	-7	250		Reverse Ig (μ A)	-	1.0	100%

NOTES.

1. VALVES ARE TO BE CHECKED IN A.S.E. GAUGE N° 225 FOR OVERALL DIAMETER AND PIN DISPOSITIONS.
2. ALL DIMENSIONS ARE IN MILLIMETRES.