

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV171/Issue 3. Dated 14.11.46. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specn.</u> Restricted</td><td><u>Valve</u> Unclassified.</td></tr> </table>	<u>SECURITY</u>		<u>Specn.</u> Restricted	<u>Valve</u> Unclassified.
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Unclassified

<u>TYPE OF VALVE:-</u> Vari-mu Tetrode or Pentode.	<u>MARKING</u>
<u>CATHODE:-</u> Directly heated.	See K1001/4.
<u>ENVELOPE:-</u> Glass ; clear.	
<u>PROTOTYPES:-</u> 210 VPT; VS2; W21-4-pin.	
<u>Note:-</u> This valve is standardised for use in certain equipment which can accept these diverse types. It should not, therefore, be used in any new design.	<u>BASE</u> B4 See K1001/AIV/D5.1

<u>RATING</u>			Note	Pin	Electrode
Filament Voltage	(V)	2.0	A	1	G2
Filament Current	(A)	0.1		2	G1
Max. Anode Voltage	(V)	150		3	F, M & G3 in pentode
Max. Screen Voltage	(V)	60		4	F
Mutual Conductance	(mA/V)	1.1		TC	A

<u>NOTE</u> A. $V_a = 150 \text{ V}$, $V_{g2} = 60 \text{ V}$, $V_{g1} = 0 \text{ to } -1 \text{ V}$.	<u>TOP CAP</u> See K1001/AI/D5.1		
	<u>DIMENSIONS</u> See K1001/AI/D1		
	Dimension	Min.	Max.
	A mm	-	128
	B mm	-	45
	<u>PACKING</u> See K1001/7		

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg2 (V)	Vg1 (V)		Min.	Max.	
a	2.0	-	-	-	If (A)	0.09	0.12	100% or S
b	2.0	150	60	0	Ia (mA)	1.7	4.1	100%
c	2.0	150	60	0	Ig2 (mA)	0.5	3.3	S
d	2.0	150	60	0 to -1	gm (mA/V)	0.7	-	100%
e	2.0	150	60	-1	Reverse Ig1 (μA)	-	1.0	100%
f	2.0	150	60	-10	Ia (mA)	0.01	0.25	100%