

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1174/Issue 3. Dated 30.10.46. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> </table>	SECURITY		Specification	Valve	Restricted	Unclassified
SECURITY							
Specification	Valve						
Restricted	Unclassified						

<u>TYPE OF VALVE:-</u> Output Pentode or Beam Tetrode.				<u>MARKING</u> See K1001/4.		
<u>CATHODE:-</u> Indirectly Heated.				<u>BASE</u> B7		
<u>ENVELOPE:-</u> Glass, clear.				See K1001/AIV/D5.3.		
<u>PROTOTYPES:-</u> Pen. 4VA, KT42, MP/Pen, AC/Pen.						
<u>RATING</u>			Note	Pin	Electrode	
Heater Voltage	(V)	4.0	A	1	No connection	
Heater Current	(A)	1.2		2	G1	
Max. Anode Voltage	(V)	250		3	G2	
Max. Screen Voltage	(V)	250		4	H	
Mutual Conductance (mA/V)		2.0		5	H	
Max. Anode Dissipation	(W)	9		6	C and G3 internally connected	
				7	A	
				<u>DIMENSIONS</u> See K1001/AI/D1.		
				Dimension	Min.	Max.
				A mm	-	137
				B mm	-	58
				<u>PACKING</u> See K1001/7.		

NOTEA. At $V_a = 250$ V, $V_{g2} = 250$ V, $V_{g1} = -12.5$ V.

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)		Min.	Max.	
a	4.0	-	-	-	Ih (A)	0.9	1.5	100% or S
b	4.0	250	250	Ad- justed	Reverse Ig (μA)	-	4.0	100%
	Ia = 40 mA.							
c	4.0	250	250	-15	Ia (mA)	20	75	100%
d	4.0	250	250	-20	Ia change from value in test 'c' (mA)	9.0	-	100%