

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1192/Issue 7. Dated 10.6.47. 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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<u>Specn.</u> Restricted	<u>Valve</u> Unclassified				

<u>TYPE OF VALVE:-</u> H.F. Pentode.				<u>MARKING</u>			
<u>CATHODE:-</u> Indirectly heated.				See K1001/4.			
<u>ENVELOPE:-</u> Glass, Clear.				<u>BASE</u>			
<u>PROTOTYPE:-</u> Z62.				<u>10</u>			
				See K1001/AIV/D2.			
<u>RATING</u>				Pin		Electrode	
				1		No connection	
				2		Heater	
				3		Anode	
				4		Screen grid	
				5		Suppressor grid	
				6		No connection	
				7		Heater	
				8		Cathode	
				TC		Control grid	
				<u>TOP CAP</u>			
				See K1001/AI/D5.2			
<u>CAPACITANCES (pF.)</u>				<u>DIMENSIONS</u>			
				See K1001/AI/D1.			
				Dimension		Min.	Max.
				A mm		-	88
				B mm		-	31
<u>NOTE</u>				<u>PACKING</u>			
A. At $V_a = 250 \text{ V}$, $V_{g2} = 150 \text{ V}$, $V_{g3} = 0$, $I_a = 10 \text{ mA}$.				See K1001/7.			

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions						Test	Limits		No. Tested
								Min.	Max.	
a	See K1001/AlII.						Capacitances (pF.)			
	Links to H.P.	Links to L.P.	Links to E.				(i) Cag	-	0.10	Type Ap- proval
	3	TC1	1,2,4,5, 6,7,8,9, 10, TC2.				(ii) Cas	5.5	8.5	6 per week.
	3	1,2,4,5, 6,7,8.	9,10, TC1, TC2.				(iii) Cge	9.0	12.0	
	TC1	1,2,4,5, 6,7,8.	3,9,10, TC2.							
	Vh (V)	Va (V)	Vg2 (V)	Vg3 (V)	Vg1 (V)	Ia (mA)				
b	6.3	0	0	0	0	0	Ih (A)	0.40	0.50	100%
c	6.3	250	150	0		10	Vg (V)	-1.4	-3.2	100%
d	6.3	250	150	0		10	Ig2 (mA)	-	3.0	100%
e	6.3	250	150	0		10	Reverse Ig (μA)	-	1.0	100%
f	6.3	250	150	0	For Ia=10 mA. Then ± 0.25 V.	10	gm (mA/V)	5.5	9.4	100%
g	6.3	250	150	0	-6		Ia (mA)	-	1.0	100%