

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1192/Issue 7. Dated 10.6.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> H.F. Pentode. <u>CATHODE:-</u> Indirectly heated. <u>ENVELOPE:-</u> Glass, Clear. <u>PROTOTYPE:-</u> Z62.			<u>MARKING</u> See K1001/4.		
			<u>BASE</u> <u>10</u> See K1001/AIV/D2.		
<u>RATING</u>			Pin	Electrode	
				Note	
Heater Voltage	(V)	6.3	1	No connection	
Heater Current	(A)	0.45	2	Heater	
Max. Anode Voltage	(V)	300	3	Anode	
Max. Screen Voltage	(V)	150	4	Screen grid	
Anode Current	(mA)	10	5	Suppressor grid	
Mutual Conductance	(mA/V)	7.5	6	No connection	
Max. Screen Current	(mA)	3.0	7	Heater	
Average Control Grid Voltage	(V)	-2.3	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.		
Cag (max.)		0.10			
Cae		7.0			
Cge		10.5			
			Dimension	Min.	Max.
			A mm	-	88
			B mm	-	31
<u>NOTE</u>			<u>PACKING</u> See K1001/7.		
A. At $V_a = 250 \text{ V}$, $V_{g2} = 150 \text{ V}$, $V_{g3} = 0$, $I_a = 10 \text{ mA}$.					

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions						Test	Limits		No. Tested				
								Min.	Max.					
a	See K1001/AIII.						<u>Capacitances</u> (pF.)							
	Links to H.P.	Links to L.P.	Links to E.								(i) Cag	-	0.10	Type Approval
	3	TC1	1,2,4,5,6,7,8,9,10,TC2.											
	3	1,2,4,5,6,7,8.	9,10,TC1,TC2.											
TC1	1,2,4,5,6,7,8.	3,9,10,TC2.				(iii) Cge	9.0	12.0	week.					
	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 (mA)	-	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%				