

VALVE ELECTRONIC

CV1911

(6F6G)

ADMIRALTY SIGNAL ESTABLISHMENT

ASWE

Specification AD/CV1911/Issue 2. Dated 22.7.47. 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.				<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.				See K1001/4.		
<u>ENVELOPE:-</u> Glass - unmetallised.				<u>BASE</u>		
<u>PROTOTYPE:-</u> 6F6G.				IO		
<u>RATING</u>				See K1001/AIV/D2. M Dimension (V) applies		
				Note		
				Pin		Electrode
Heater Voltage (V)				6.3		No Connection
Heater Current (A)				0.7		Heater
Max. Anode Voltage (V)				250		Anode
Max. Screen Voltage (V)				250		Screen Grid
Average Anode Current (mA)				34		Control Grid
Average Screen Current (mA)				5.5		Pin omitted
Anode Dissipation (W)				8.5		Heater
Mutual Conductance (mA/V)				2.5		Cathode
<u>CAPACITANCES (pF.)</u>				<u>DIMENSIONS</u>		
				See K1001/AI/D1.		
Cag				0.95		
Cge				10.0		
Cae				8.8		
<u>NOTE</u>				<u>PACKAGING</u>		
A. $V_a = V_{g2} = 250 \text{ V}$, $V_{g1} = -16.5 \text{ V}$				See K1005.		

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	6.3				Ih (A)	0.60	0.77	100% or S
b	6.3	250	250	-16.5	Ia (mA)	23	45	100%
c	6.3	250	250	-16.5	Ig2 (mA)	4.0	9.0	100%
d	6.3	250	250	-16.5	gm (mA/V)	1.9	3.0	100%
e	6.3	250	250	-16.5	Reverse Ig (μA)	-	2.5	100%