ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC CV1911
(6F6G)

Specification AD/CV1911/Issue 2. Dated 22.7.47. To be read in conjunction with K1001.	SECURITY Specification: Restricted Valve: Unclassified

TYPE OF VALVE:- Output pentode.
CATHODE:- Indirectly heated.
ENVELOPE:- Glass - unmetallised.
PROTOTYPE:- 6F6G.

RATING

			Note
Heater Voltage	(V)	6.3	
Heater Current	(A)	0.7	
Max. Anode Voltage	(V)	250	
Max. Screen Voltage	(V)	250	
Average Anode Current	(mA)	34	A
Average Screen Current	(mA)	5.5	A
Anode Dissipation	(W)	8.5	
Mutual Conductance	(mA/V)	2.5	A

CAPACITANCES (pF.)

Cag	0.95
Cge	10.0
Cae	8.8

NOTE

A. Va = Vg2 = 250 V, Vg1 = -16.5 V

MARKING

See K1001/4.

BASE

IO

See K1001/AIV/D2.

Pin	Electrode
1	No Connection
2	Heater
3	Anode
4	Screen Grid
5	Control Grid
6	Pin omitted
7	Heater
8	Cathode

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	120
B mm	-	46

PACKAGING

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%