ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1934** (6J5GT)

Specification AD/CV1934/Issue 2. Dated 6.6.47. To be read in conjunction with K1001.	SECURITY	
	Specn.	Valve
	Restricted	Unclassified

→ Indicates a change

TYPE OF VALVE:- Detector amplifier triode.
CATHODE:- Indirectly heated.
ENVELOPE:- Glass - unmetallised.
PROTOTYPE:- 6J5GT.

MARKING

See K1001/4.

	RATING		Note
	Heater voltage (V)	6.3	
	Heater current (A)	0.3	
→	Max. anode voltage (V)	300	
→	Max. anode dissipation (W)	2.5	
	Anode current (mA)	9.0	A
	Mutual conductance (mA/V)	2.6	A
	Anode impedance (ohms)	7,700	A
	Max. permissible D.C. cathode current (mA)	20	
	CAPACITANCES (pF.)		
	Cag	4.0	
	Cae	4.5	
	Cge	3.8	

BASE

IO

See K1001/AIV/D2.

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

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	84.5
B mm	-	33.5

NOTE

A. At Va = 250 V, Vg = -8 V.

PACKING

See K1001/7.

TESTS

To be performed in addition to those applicable in K1001

		Test Conditions			Test	Limits Min.	Limits Max.	No. Tested
→	a	See K1001/AIII			Capacitances (pF.)			
		Links to H.P.	Links to L.P.	Links to E.				
		3	1,2,7,8.	4,5,6,9, 10,TC1, TC2.	(i) Cae	3.0	6.0	6 per week
		5	1,2,7,8.	3,4,6,9, 10,TC1, TC2.	(ii) Cge	2.6	5.0	
		3	5	1,2,4,6, 7,8,9,10, TC1,TC2.	(iii) Cag	3.2	4.8	
		Vh (V)	Vg (V)	Va (V)				
→	b	6.3	0	0	Ih (A)	0.27	0.33	100% or S
	c	6.3	-8	250	Ia (mA)	5.5	12.5	100%
→	d	6.3	-8	250	gm (mA/V)	2.0	3.2	100%
→	e	6.3	-8	250	Rev Ig (µA)	-	1.0	100%
→	f	6.3	-15	250	Ia (mA)	-	1.25	100%