ADMIRALTY SIGNAL ESTABLISHMENT ASWE

VALVE ELECTRONIC

CV1934
(6J5GT)

Specification AD/CV1934/Issue 2. Dated 6.6.47. To be read in conjunction with K1001.	SECURITY Specn. Restricted Valve 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
Cas	4.5
Cge	3.8

BASE

IO

See K1001/AIV/D2. M Dimension (iv) applies

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%