VALVE ELECTRONIC **CV2377**

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

Specification AD/CV2377 Issue No. 1 dated 23.11.55. To be read in conjunction with K1001, B.S.448 and B.S.1409	SECURITY Specification: Unclassified Valve: Unclassified

TYPE OF VALVE:- Beam tetrode

CATHODE:- Indirectly heated

ENVELOPE:- Glass, unmetallised

PROTOTYPE:- VX6094

MARKING

See K1001/4

BASE

B.S.448/B7A

RATINGS

		Note
Heater Voltage (series) (V)	26.0	
Heater Current (series) (A)	1.3	
Heater Voltage (Parallel) (V)	13.0	
Heater Current (parallel) (A)	2.6	
Max.D.C. Anode Voltage (V)	800	A
Max.D.C. Screen Voltage (V)	300	A
Max.Anode Dissipation (W)	90	A
Max.Screen Dissipation (W)	10	A
Max.Cathode Current (mA)	800	A
Max.Heater/Cathode Voltage (D.C.) (Heater Negative) (V)	250	A
Mutual Conductance (mA/V)	31	B

CONNECTIONS

Pin	Electrode
1	h
2	h tap
3	g1
4	k
5	g2
6	a
7	h

DIMENSIONS

See K1001/A1/D1

Dimension	Min.	Max.
A (mm)	-	166
B (mm)	-	64

CAPACITANCES (pF)

c_a, g1	1.2
c_{in}	56
c_{out}	21

N O T E S

A. Absolute maximum value.

B. Measured at Va = Vg2 = 150, Ia = 450 mA.

C. Mounting position; vertical.

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested	Note
	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)	Ia (mA)		Min.	Max.		
a	26.0	0	0	0	0	Ih (A)	1.17	1.43	100% or S	
b	26.0	150	150	Ad-just	600	Vg1 (V)	-6.7	-15.0	100%	
c	26.0	150	150	-do-	600	Reverse Ig1 (μA)	-	6.0	100%	
d	26.0	150	150	-do-	600	Ig2 (mA)	-	65.0	100% or S	
e	26.0	150	150	-do-	450	Ia Rise when Vg1 is made more positive by 3V (mA)	71.0	136.0	100%	
	Vg1 then made more positive by 3V									
f	26.0	150	150	-60	-	Reverse Ig1 (μA)	-	12.0	100%	
g	26.0	150	150	-60	-	Ia (mA)	-	15.0	100% or S	
h	26.0	50	150	As in Test (b)	-	Ig2 (mA)	-	140.0	100% or S	1
j	26.0	100	100	0	-	Ia (mA)	450	750	100% or S	
k	26.0	0	0	0	0	Ih-k (μA)	-	600	100%	
	With heater negative to cathode, 250V shall be applied between heater and cathode, through a meter-protecting resistance of not more than 0.1 meg-ohm.									

NOTE

1. Test voltage applied only for sufficient time to obtain a steady reading.