ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1172**
(NR51)

Specification AD/CV1172/Issue 3. Dated 22.10.45. To be read in conjunction with K1001.	SECURITY Specification: Restricted Valve: Restricted

TYPE OF VALVE:- Variable mu, H.F. Pentode.
CATHODE:- Indirectly Heated.
ENVELOPE:- Glass: Metallised.
PROTOTYPE:- VP4A.

MARKING

See K1001/4.

RATING

			Note
Heater Voltage	(V)	4.0	
Heater Current	(A)	1.2	
Anode Voltage	(V)	200	
Screen Voltage	(V)	100	
Mutual Conductance	(mA/V)	2.5	A
CAPACITANCES (pF. approx.)			
Anode - G1 (max.)		0.006	
Input		12.5	
Output		10.2	

BASE

B7.
See K1001/D5.3.

Pin	Electrode
1	Metallising
2	Control Grid
3	Suppressor Grid
4	Heater
5	Heater
6	Cathode
7	Screen Grid
TC	Anode

TOP CAP

See K1001/AI/D5.

NOTES

A. At Va = 200 V, Vg2 = 100 V, Vg1 = -2.

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	50
B mm	-	140

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Vg1 (V)	Vg2 (V)	Va (V)		Min.	Max.	
a	4				If (A)	1.1	1.3	1% (20)
b	4	-2	100	200	-Ig (μA)	-	1.0	100%
c	4	-2	100	200	Ig2 (mA)	1.0	2.0	10% (50)
d	4	-2	100	200	Ia (mA)	2.5	5.0	100%
e	4	-10	100	200	Ia (mA)	0.02	0.3	100%
f	4	0	100	200	Ia change (mA)	3.5	6.5	100%
	Change in Ia from value in test 'd' observed.							