ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC CV1168

(NR44, POVT131)

Specification AD/CV1168/Issue 3.
Dated 16.7.47.
To be read in conjunction with K1001.

SECURITY	
Specification	Valve
Restricted	Unclassified

TYPE OF VALVE:- Output Triode.
CATHODE:- Directly Heated.
ENVELOPE:- Glass, unmetallised.
PROTOTYPE:- PX4.

RATING

		Note
Filament Voltage (V)	4.0	
Filament Current (A)	1.0	
Max. Anode Voltage (V)	300	
Anode Current (mA)	50	
Max. Anode Dissipation (W)	15	
Mutual Conductance (mA/V)	6.0	A
Amplification Factor	5	A
Power Output (W)	3.5	B

CAPACITANCES (pF. approx.)

Cag	13.7
Cgf	7.7
Caf	3.9

MARKING

See K1001/4.

BASE AND CONNECTIONS

B4

See K1001/AIV/D5.

Pin	Electrode
1	Anode
2	Grid
3	Filament
4	Filament

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	152
B mm	-	64

PACKAGING

See K1005.

NOTES

A. Measured at Va = 100 V, Vg = 0 V.

B. Measured at Va = 300 V, Vg = -42 V. This value applies for a total of 5% total harmonic distortion.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	4.0	-	-	-	If (A)	0.9	1.1	100%
b	4.0	250		60	Vg (V)	-28	-36	100%
c	4.0	250	-0.5 to 0.5	60	gm (mA/V)	4.0	7.5	100%
d	4.0	250		60	Reverse Ig (μA)	-	4.0	100%