ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1151** (NR15)

Specification AD/CV1151/Issue 2. Dated 20.6.46. To be read in conjunction with K1001.	SECURITY Specification: Restricted Valve: Unclassified

TYPE OF VALVE:- Triode.
CATHODE:- Directly heated.
ENVELOPE:- Glass.
PROTOTYPE:- L410, PM4DX.

MARKING

See K1001/4.

RATING		Note
Max. Operating Filament Voltage. (V)	3.8	
Approx. Filament Current. (A)	0.1	
Max. Anode Voltage. (V)	100	
Amplification Factor.	14	A
Max. Anode Impedance. (Ω)	20,000	A
Average Anode Current. (mA)	1.6	B
CAPACITANCES (pFd Approx)		
Cag	4.5	

BASE

B4
See K1001/AIV/D5.1

Pin	Electrode
1	Anode
2	Grid
3	Filament
4	Filament

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	115
B mm	-	47

NOTES

A. Va = 75 V, Vg = 0 V.

B. Va = 50 V, Vg = 0 V.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		% Tested
	Vf (V)	Va (V)	Vg (V)	Ia (mA)	Ie (mA)		Min.	Max.	
a	3.6	-	-	-	-	If (A)	-	0.12	1% (20)
b	3.6	Adjusted	=Va	-	15	Va (V)	-	100	100%
c	3.6	100	-2	-	-	-Ig (μA)	-	0.5	100%
d i	3.6	80	0	x	-	x - y (mA)	0.5	-	100%
ii	3.6	70	0	y	-				
iii	3.6	50	0	z	-	Value of z (mA)	0.7	2.5	
e	3.6	Adjusted	-2	=y above		Va (V)	94	102	100%
f	3.6	50	0	-	-	Ig (μA)	-0.5	0.5	100%
g	3.6	50	2	-	-	Ig (μA)	30	-	100%
h	See K1001/AIII					CAPACITANCES (pFd)			
	Pins to H.P.	Pins to L.P.	Pins to E.						
	1	2	3,4			Cag	3	6	1% (20)
j	Vf (V)	Va (V)	Vg (V)			Life Test (See K1001, para. 6).			
	3.6	50	0				800 hrs.		A small %
	All tests Class A.								