ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1199** (NS2)

Specification AD/CV1199/Issue 3, Dated 8.11.46. To be read in conjunction with K1001.	SECURITY	
	Specn. Restricted	Valve Unclassified

TYPE OF VALVE :- Voltage stabiliser.
CATHODE:- Cold.
ENVELOPE:- Glass.

MARKING

See K1001/4.

		RATING	Note
Maximum striking voltage	(V)	140	
Maximum cathode current	(mA)	180	
Nominal operating voltage, at 50 mA cathode current	(V)	97.5	

BASE

B4

See K1001/AIV/D5.1.

Pin	Electrode
1	Anode
2	Cathode
3	No connection
4	No connection

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	153	174
B mm	45	53

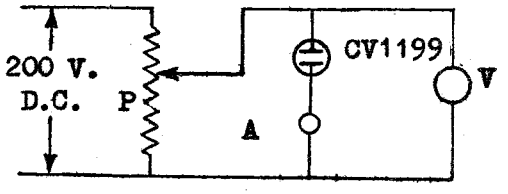
PACKING

See K1001/7.

TESTS

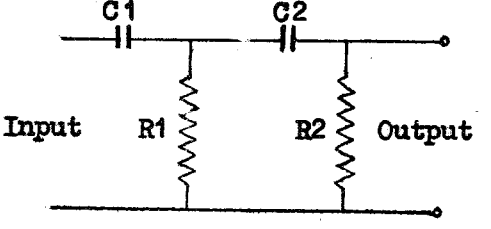
To be performed in addition to those applicable in K1001.

	Test Conditions Ia (mA)	Test	Limits Min.	Limits Max.	No. Tested	Note
a	Applied voltage increased from zero until current flows	Striking Voltage Va (V)	-	140	100%	1
b	180	Va noted after 15 mins. (V)			100%	1,2
c	115	Change in Va from value in test 'b' (V)	-	2.0	100%	1
d	50	(i) Anode Voltage Va (V)	90	105	100%	1
		(ii) Change in Va from value in test 'c' (V)	-	2.0		
e	30	Change in Va from value in test 'd' (V)	-	1.0	100%	1
f	Circuit of Fig. 2 connected between anode and cathode	R.M.S. output voltage must be less than 0.1 mV for any value of Ia between 50 mA and 180 mA			100%	



P = Potentiometer.
A = Low resistance milliammeter.
V = High resistance voltmeter.

FIG. 1.



C1 = C2 = 0.02 μFd.
R1 = R2 = 20,000 ohms.

FIG. 2.

NOTES

1. Test valve in circuit of Fig. 1.
2. Test to be done immediately before the remaining tests.
3. If the valve fails any of the tests above, it shall be re-tested after 15 minutes of operation at Ia = 180 mA.