MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC **CV1110** (VS110 AW3)

Specification MAP/CV1110/Issue 5 Dated 17.1.47. To be read in conjunction with K1001	SECURITY Specification: RESTRICTED Valve: RESTRICTED

→ Indicates a change

TYPE OF VALVE - Gas filled voltage stabiliser

CATHODE - Cold

ENVELOPE - Glass - unmetallised

PROTOTYPE - S130

MARKING

See K1001/4

RATING			Note
Max. Striking Voltage	(V)	180	
Mean Striking Voltage	(V)	160	
Max. Current	(mA)	75	
Min. Current for stable operation	(mA)	10	
Min. Current to maintain ionisation	(mA)	6	
Mean Voltage at which ionisation ceases	(V)	115	
Mean Voltage drop across valve operating at 75mA	(V)	120	
Max. Voltage drop across valve operating at 75mA	(V)	135	
Min. Voltage drop across valve operating at 75mA	(V)	115	
Mean change of voltage drop with change of operating current from 75mA to 10mA	(V)	5	
Max. change of voltage drop with change of operating current from 75mA to 10mA	(V)	10	

BASE

B4

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

DIMENSIONS

See K1001/AI/D1

Dimension		Min.	Max.
A	(mm)	117	125
B	(mm)	44	52

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits Min.	Limits Max.	No. Tested
	Tests shall be carried out in a circuit similar to that shown below.				
a	Increase the applied voltage until current flows.	Striking Voltage (V)	-	180	100%
b	Applied voltage adjusted to give a current of 75 mA through the valve	Voltage across the valve (V)	115	135	100%
c	Applied voltage adjusted to give a current of 10 mA through the valve.	Difference between stabilised voltage at 75mA and 10mA. (V)	-	10	100%

TEST CIRCUIT