MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC **CV1119**

(VR119)

Specification MAP/CV1119/Issue 5 Dated 4.3.47. To be read in conjunction with K1001.	SECURITY Specification: RESTRICTED Valve: RESTRICTED

→ Indicates a change

TYPE OF VALVE - Double diode

CATHODE - Indirectly heated

ENVELOPE - Glass-unmetallised

PROTOTYPE - DDL4

MARKING

See K1001/4.

RATING		Note
Heater Voltage (V)	4.0	
Heater Current (A)	0.75	
Max. Working Anode Voltage (RMS)	200	
Max. Cathode Current (mA)	10	
CAPACITANCES (pF)		
Cd1e	4.0	
Cd2e	3.8	
Cd1d2	2.5	

BASE

B5

Pin	Electrode
1	Diode 2
2	Diode 1
3	Heater
4	Heater
5	Cathode

DIMENSIONS

See K1001/AI/D1

Dimension		Min.	Max.
A	(mm)	89	97
B	(mm)	-	31

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits Min.	Limits Max.	No. Tested	Note
a	Links to H.P.	Links to L.P.	Links to E.	CAPACITANCES (pF)				
	2	1	3,4,5,6,7, 8,9,10, TC1, TC2	Cd1d2	-	3.2	6 per week	
	2	3,4,5	1,6,7,8,9 10,TC1,TC2	Cd1e	-	5.3		
	1	3,4,5	2,6,7,8,9, 10,TC1,TC2	Cd2e	-	6.0		
	Vh	Vd						
b	4.0	0		Ih (A)	0.68	0.82	100% or S	
c	4.0	+10		Id (mA)	20	-	100%	1
d	4.0	-10		Id (μA)	-	0.5	100%	1
e	4.0	Diode anode connected to cathode through 4,000Ω		Id (μA)	50	-	100%	1

NOTE

1. Tests 'c', 'd' and 'e' shall be applied to each half of the valve.