MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC **CV1127** (VT127)

Specification MAP/CV1127/Issue 6. Dated 5.10.46. To be read in conjunction with K1001	SECURITY Specification: RESTRICTED Valve: RESTRICTED

→ Indicates a change

TYPE OF VALVE - Beam Power Tetrode

CATHODE - Indirectly heated.

ENVELOPE - Glass-Unmetallised

PROTOTYPE - Pen.46

MARKING

See K1001/4

RATING		Note
Heater Voltage (V)	4.0	
Heater Current (A)	1.75	
Max. Anode Voltage (V)	330	
Max. Screen Voltage (V)	220	
Max. Anode Dissipation (W)	20	
Max. Screen Dissipation (W)	3	
Mutual Conductance (mA/V)	8.5	A
Max. Peak Anode Voltage (V)	3000	

BASE

MO

Pin	Electrode
1	Heater
2	Cathode
3	No Connection
4	Screen Grid
5	Control Grid
6	No Connection
7	Pin Omitted
8	Heater
TC	Anode

CAPACITANCES (μμF)

Cae	22.0
Cge	6.0
Cag	1.25

TOP CAP

See K1001/A1/D5.1

DIMENSIONS

See K1001/AI/D1.

Dimension		Min.	Max.
A	(mm)	120	129
B	(mm)	-	55

NOTES

A. Va = Vg2 = 100, Vg1 = 0.

To be performed in addition to those applicable in K.1001.

	Test Conditions				Test		Limits Min.	Limits Max.	No. Tested
	All valves are to be pre-heated for 6 minutes before test. Under the following conditions:- Vh = 4.0, Va = Vg2 = 0 150 V.D.C. applied between heater and cathode, the cathode being positive.								
	Vh	Va	Vg2	Vg1					
a	4.0	0	0	0	Ih	(A)	1.57	1.92	100% or S
b	4.0	300	220	-9.0	Ia	(mA)	39	78	100%
c	4.0	300	220	-9.0	Reverse Ig1	(μA)	-	1.0	100%
d	4.0	300	220	-35	Ia	(mA)	-	1.0	5% (100)
e	4.0	300	220	-35	Ig1	(μA)	-	-1.0	100%
f	4.0	100	220	0	Ia	(mA)	119	-	100%
g	4.0	100	220	0 to -9.0	Ia drop	(mA)	72	-	100%