MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC **CV1041**

Specification MAP/CV1041/Issue 6 Dated 19.1.49. To be read in conjunction with K1001.	SECURITY Specification: RESTRICTED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Var.-μ Screen Grid

CATHODE - Directly Heated

ENVELOPE - Glass - Metallised

PROTOTYPE - PM 12M

MARKING

See K1001/4

PACKING

See K1005 →

RATING

			Note
Filament Voltage	(V)	2.0	
Filament Current	(A)	0.18	
Max. Anode Voltage	(V)	150	
Max. Screen Voltage	(V)	90	
Mutual Conductance	(mA/V)	1.4	A
Mutual Conductance	(mA/V)	0.014	B
Average Anode Current	(mA)	4.0	C

BASE

B4

Pin	Electrode
1	Screen Grid
2	Control Grid
3	Filament -ve and metallising
4	Filament +ve
TC	Anode

NOTES

A: Va = 150, Vg2 = 90, Vg1 = 0.

B: Va = 150, Vg2 = 90, Vg1 = -7.

C: Va = 150, Vg2 = 90, Vg1 = -1

TOP CAP

See K1001/AI/D5.4 →

DIMENSIONS

See K1001/AI/D1

Dimension		Min.	Max.
A	(mm)	-	135
B	(mm)	-	50

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	Measured using Adaptor Type 35. Ref.10A/13331. See K1001/AIII							
	Links to H.P.		Links to L.P.	Links to E.	CAPACITANCES (pF)			
	TC1		2	1,3,4, 5,6,7, 8,9, 10, TC2.	Cag	-	0.005	T.A.
	Vf	Va	Vg2	Vg1				
b	2.0	0	0	0	If (A)	0.17	0.21	100% or S
c1	2.0	120	60	0 to -1	gm (μA/V)	700	1200	100%
c2	2.0	120	60	-2 to -3		60	150	100% or S
d	2.0	100 to 120	60	0	Anode conductance (μA/V)	1.5	4.5	100% or S
e	2.0	120	60	0	Ia (mA)	1.0	2.1	100%
f	2.0	120	60	0	Ig2 (mA)	0.3	0.8	100%