MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC CV1035

Specification MAP/CV1035/Issue 7 Dated 20.1.49. To be read in conjunction with K1001.	SECURITY Specification: RESTRICTED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Quiescent push-pull double pentode.

CATHODE - Directly heated.

ENVELOPE - Glass - unmetallised.

PROTOTYPE - Q.P.21.

MARKING

See K1001/4

PACKING

See K1005

RATING			Note
Filament Voltage	(V)	2.0	
Filament Current	(A)	0.4	
Max. Anode Voltage	(V)	150	
Max. Screen Voltage	(V)	150	
Mutual Conductance of each half	(mA/V)	2.3	A
Average Quiescent Anode Current	(mA)	3.5	B
Average Quiescent Screen Current	(mA)	0.9	B
Output Load Resistance Anode I to Anode II	(Ω)	25,000	B
Average Full Load Anode Current	(mA)	12.5	B
Average Full Load Screen Current	(mA)	6.0	B

BASE

B7

Pin	Electrode
1	Control grid a
2	Control grid b
3	Anode b
4	Filament negative and suppressor grids.
5	Filament positive.
6	Screen grids.
7	Anode a

NOTES

A:- Va = 150, Vg2 = 150, Vg1 = -4.5.

B:- Va = 150, Vg2 = 150, Vg1 = -9.

DIMENSIONS

See K1001/AI/D1

Dimension		Min.	Max.
A	(mm)	-	120
B	(mm)	-	51

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested	Note
	Vf(V)	Va(V)	Vg2(V)	Vg1(V)		Min.	Max.		
a	2.0	0	0	0	If (A)	-	0.44	100% or S	
b	2.0	0	0	-20	Reverse Ig1 (μA)	-	0.3	100%	1
c	2.0	150	150	0 to -4.5	Ia Change (mA)	10	15	100%	1
d	2.0	150	150	-4.5	Ia (mA)	8.0	15.0	100%	1
e	2.0	150	150	-9.0	Ia (mA)	1.0	3.0	100%	1
f	2.0	150	150	-4.5	Difference in Ia for each half of valve (mA)	-	1.5	100%	
g	2.0	150	150	-4.5	Ig2 (mA)	4.0	8.0	100% or S	
h	2.0	150	150	-4.5	Reverse Ig1 (μA)	-	0.5	100%	1

NOTE

1:- Tests b, c, d, e and h are applicable to each half of the valve.