MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC **CV66**

Specification MAP/CV66/Issue 3 Dated 29.8.46. To be read in conjunction with K1001.	SECURITY	
	Specification	Valve
	RESTRICTED	RESTRICTED

→ Indicates a change

TYPE OF VALVE : Grounded Grid Triode

CATHODE : Indirectly heated

ENVELOPE : Glass-enclosed in metal shell

PROTOTYPE : RL37

MARKING

See K1001/4

RATING		Note
Filament Voltage (V)	6.3	
Filament Current (A)	0.43	
Max. Anode Voltage(V)	250	
Max. Anode Dissipation(W)	3.0	
Max. Cathode Current (mA)	25	
Mutual Conductance (mA/V)	9.0	A
Amplification Factor	100	A
Anode Impedance (Ω)	11,100	A
Max. Operating Frequency (Mc/s)	300	
CAPACITANCES (pF)		
Ca - h+c	0.09	B
Cg - h+c	9.8	B
Cag	7.5	B

BASE

B9G

Pin	Electrode
1	Heater
2	Grid
3	Grid
4	Anode
5	Anode
6	Grid
7	Grid
8	Cathode
9	Heater

DIMENSIONS

See K1001/AI/D2

The groove referred to in Note 1 of the drawing may be omitted.

NOTES

A. At Va = 250V., Vg = -1.5V., Ia = 10mA.

B. Measurements made with spigot connected to grid.

C. Because of the small clearance between grid and cathode the valve should be operated if possible, in a vertical plane, it may be operated in a horizontal plane, however, provided the key of the spigot is a vertical plane.

CV66

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits Min.	Limits Max.	No. Tested
a	See K1001/AIII				CAPACITANCES (pF)			
	Links to H.P.	Links to L.P.	Links to E					
	4,5	1,8,9	2,3,6,7, 10,TC1, TC2		Ca - h+c	-	0.12	1%
	2,3,6, 7,10	1,8,9	4,5, TC1,TC2		Cg - h+c	8.4	11.2	(20)
	4,5	2,3,6,7, 10	1,8,9, TC1,TC2		Cag	6.4	8.6	
	Vh	Va	Vg	Ia(mA)				
b	6.3	0	0	0	Ih (A)	0.38	0.48	100% or S
c	6.3	250	-	10	Vg (V)	-1.0	-2.0	100%
d	6.3	250	-	10	gm (mA/V)	8.0	11.25	100%
e	6.3	250	-	10	μ	85	115	100% or S
f	6.3	250	-	10	Reverse Ig (μA)	-	0.75	100%
g	6.3	30 volts R.M.S. at 50 c.p.s. applied to anode and grid strapped.			Mean cathode current (mA)	60	-	100%