VALVE ELECTRONIC

CV1137

MINISTRY OF SUPPLY (D.C.D.)

(VR137)

Specification MAP/CV1137/
Issue 6
Dated 4.3.47.
To be read in conjunction with K1001.

SECURITY	
Specification	Valve
RESTRICTED	RESTRICTED

——— Indicates a change

TYPE OF VALVE - Triode.

CATHODE - Indirectly heated

ENVELOPE - Glass - lower portion in metal shell.

PROTOTYPE - RL16

RATING		Note
Heater Voltage (V)	6.3	
Heater Current (A)	0.43	
Max. Anode Voltage (V)	400	
Max. Anode Dissipation (W)	7.5	
Mutual Conductance (mA/V)	6.5	A
Anode Impedance (Ω)	9,500	A
Amplification Factor	60	A
Max. Operating Frequency (Mc/s)	300	
CAPACITANCES (pF)		
Cae	2.7	
Cge	5.3	
Cag	2.6	

MARKING

See K1001/4

BASE

B9G

Pin	Electrode
1	Heater
2	Grid
3	Cathode
4	Anode
5	No connection
6	No connection
7	No connection
8	No connection
9	Heater

DIMENSIONS

See K1001/AI/D2.

Groove referred to in Note 1 of drawing is required.

NOTE

A. Va = 250V., Vg = -2.6V.

CV1137

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits Min.	Limits Max.	No. Tested
a	See K1001/AIII							
	Links to HP	Links to LP	Links to E		CAPACITANCES (pF)			
	4	1,3,5,6, 7,8,9, 10	2 TC1,TC2		Cae	2.3	3.1	6 per week
	2	1,3,5,6, 7,8,9,10	4 TC1,TC2		Cge	4.5	6.0	
	4	2	1,3,5,6, 7,8,9,10 TC1,TC2		Cag	2.2	3.0	
	Vh	Va	Vg	Ia(mA)				
b	6.3	0	0	0	Ih (A)	0.38	0.48	100% or S
c	6.3	250	0	-	Ia (mA)	24.0	42.0	100%
d	6.3	250	-3	-	Ia (mA)	5.0	10.0	100%
e	6.3	250	-6	-	Ia (mA)	-	1.5	100%
f	6.3	250	-3	-	Reverse Ig(μA)	-	1.0	100%
g	6.3	250	-	10	μ	50	70	100% or S
h	6.3	20 volts RMS. at 50 c/s applied to grid and anode strapped			Mean Ic (mA)	50	-	100%