MINISTRY OF SUPPLY - D.L.R.D.(A)/R.A.E.

VALVE ELECTRONIC **CV1101**

Specification MOSA/CV.1101 Issue 6 Dated 13.1.54 To be read in conjunction with K.1001.	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Double diode triode
CATHODE - Indirectly heated
ENVELOPE - Glass, unmetallised
PROTOTYPE - MHLD6 (VR101)

MARKING
See K.1001/4

RATING

			Note
Heater Voltage	(V)	6.3	A
Heater Current	(A)	0.65	
Max. Triode Anode Voltage	(V)	250.0	
Triode Anode Current	(mA)	11.5	C
Mutual Conductance	(mA/V)	3.0	C

BASE
I.O.

CONNECTIONS

Pin	Electrode
1	No connection
2	Heater
3	Anode
4	Diode II ←
5	Diode I (See Note B) ←
6	Pin omitted
7	Heater
8	Cathode
T.C.	Control grid

PLUG TOP CAP
See K.1001/A1/D5.2

DIMENSIONS
See K.1001/A1/D1

Dimension	Min.	Max.
A m.m.	106	114
B m.m.	-	39
C m.m.	-	30
D m.m.	-	30

NOTES

A. The valve shall be capable of satisfactory operation over a heater range of 5.7V to 7.5V.

B. Diode I shall be the diode remote from the triode section.

C. At Va = 200, Vg = -5.

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

Test Conditions					Test		Limits		No. Tested	Note
	Vh	Va	Vg	Vd			Min.	Max.		
a	6.3	0	0	0	Ih	(A)	0.6	0.7	100% or S	
b	6.3	200	-5	0	Ia	(mA)	6.6	16.4	100%	
c	6.3	200 Peak grid swing ± 1.0V max.	-5	0	gm	(mA/V)	2.2	3.8	100%	
d	6.3	200	-5	0	Reverse Ig	(μA)	-	1.2	100%	
e	6.3	0	0	+10	Id_1	(mA)	0.8	-	100%	
f	6.3	0	0	+10	Id_2	(mA)	3.5	-	100%	

NOTES