VALVE ELECTRONIC **CV201**

MINISTRY OF SUPPLY (S.R.D.E.)

Specification: MOS/CV201/Issue 4 Dated:- 5.9.'7 To be read in conjunction with K1001.	SECURITY Specification: Restricted Valve: Unclassified

→ indicates a change

TYPE OF VALVE:- Beam tetrode (aligned grids)
CATHODE:- Directly heated
ENVELOPE:- Glass - unmetallised
PROTOTYPE:- V.630

MARKING

See K1001/4

RATING		Note
Filament voltage (V)	2.2	
Filament current (A)	1.1	
Max. anode voltage (V)	300	
Max. screen voltage (V)	200	
Max. anode dissipation (W)	7.5	
Mutual conductance (mA/V)	3.3	A

CAPACITANCES (pF)

Cag	(max.)	0.25
Cae		8.25
Cge		13.5

BASE
I.O.

Pin	Electrode
1	No connection
2	Filament
3	Beam plates
4	Screen grid
5	Control grid
6	Pin omitted
7	Filament
8	No connection
T.C	Anode

TOPCAP
See K1001/AI/D 5.2.

NOTES

A. Measured at Va = 250, Vg_2 = 150, Ia = 25 mA.

DIMENSIONS
See K1001/AI/D1

Dimension		Min	Max
A	mm	107	117
B	mm	-	30.5

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions						Test	Limits		No. Tested
								Min.	Max.	
a	See K1001/AIII						Capacitances (pF)			6 per week
	Links to H.P.		Links to L.P.		Links to E					
	TC1		5		1,2,3,4, 5,6,7,8, 9,10,TC2		(i) Cag	-	0.25	
	5		1,2,3,4, 6,7,8.		9,10,TC1 TC2		(ii) Cge	11.0	16.0	
	TC1		1,2,3,4, 6,7,8.		5,9,10, TC2.		(iii) Cae	5.5	10.0	
	Vf DC	Va	Vg2	Vg1	Vb	Ia (mA)				
b	2.2	-	-	-	-	-	If (A)	1.0	1.2	100% or S
c	2.2	250	150	-	0	25	Vg1 (V)	-7.5	-12.5	100%
d	2.2	250	150	-	0	25	Ig2 (mA)	-	5.0	100%
e	2.2	250	150	-	0	25	Rev. Ig (µA)	-	2.0	100%
f	2.2	250	150	as in 'e'	0	-	Ia change (mA) Note 1	11.5	-	100%
g	2.2	250	250	-45	0	-	Ia (mA)	-	1.0	100% or S
h	2.2 AC or DC	250	250	+100	0	-	Peak Ia+Ig2 (mA) Note 2	750	-	100%

NOTES

1. Note change in Ia when Vg1 is increased by +4 volts.

2. The grid swing to be applied as intermittent pulse of suitable duration and recurrence. During off period valve to be biased beyond cut-off.