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

VALVE ELECTRONIC CV 1368
(ATP7)

Specification No. MOS/CV1368/5
Dated : 25.9.45.
To be read in conjunction with K1001.

SECURITY	
Specification	Valve
Restricted	Restricted

→ Indicates a change

TYPE OF VALVE : H.F. Pentode
CATHODE : Directly Heated
ENVELOPE : Glass Un-metallised
COMMERCIAL PROTOTYPE : V226

MARKING

As in K1001/4

RATING		Note
Filament Voltage	6.0	
Filament Current (amps)	0.2	
Max. Anode Voltage	600	
Max. Screen Voltage	300	
Anode Current (mA)	14.0	A
Mutual Conductance (Min)(mA/V)	3.0	A
Anode Impedance (megohms)	1.0	A

BASE
B7

Pin	Electrode
1	No connection
2	Control Grid
3	Suppressor Grid
4	Filament
5	Filament
6	No connection
7	Screen Grid
T.C.	Anode

CAPACITANCES pF	
Cag (Max)	0.04
Cae	8.6
Cge	16.5

TOP CAP
See K1001/A1/D5.1

DIMENSIONS
See K1001/A1/D1

NOTES

A. Measured at Va = 450
Vg2 = 250
Vg1 = -5

Dimension	Min.	Max.
A mm	136.5	145
B mm	41	45
L mm	121.5	127.5

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.				
	TC1		2		1,3,4,5, 6,7,8,9, 10,TC2.	(i) Cag	-	0.04	Type Approval
	TC1		3,4,5,7		1,2,6,8, 9,10,TC2	(ii) Cae	7.2	10.0	6 per week
	2		3,4,5,7		1,6,7,8, 9,10,TC1 TC2	(iii) Cge	14.5	18.5	
	Vf	Va	Vg3	Vg2	Vg1				
b	6.0	-	-	-	-	Ig (amps)	0.18	0.22	100%
c	6.0	450	0	250	-5	Ia (mA)	10.5	17.5	100%
d	6.0	450	0	250	-5	Ig2 (mA)	2.8	5.5	100%
e	6.0	450	0	250	-3 to-5	gm (mA/V)	3.0	-	100%
f	6.0	450	0	250	-6.5	Rev. Ig (mA)	-	2.0	100%
g	6.0	450	Read	175	-2	Vg3 (adjusted so that Ia is 50% of that obtained with Vg3=0)	-30	-48	0.1% (4)
h	6.0	450	0	250	-15	Ia(tail)(mA)	-	0.2	100%