VALVE ELECTRONIC **CV1341**
(ARP33)

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

Specification MOS/CV1341/Issue 4 Dated 26.4.46 To be used in conjunction with K1001	SECURITY Specification: Restricted Valve: Restricted

→ indicates a change

TYPE OF VALVE:- Screened pentode
CATHODE:- Indirectly heated
ENVELOPE:- Glass-unmetallised
PROTOTYPE:- MSP4

MARKING
See K1001/4

RATING		Note
Heater voltage (V)	4.0	
Heater current (A)	1.0	
Max. anode voltage (V)	250	
Max. screen voltage (V)	100	
Mutual conductance (mA/V)	4.0	A

CAPACITANCES (pF) (Max)	
Cag	0.03
Cae	7.6
Cge	17.2

BASE
B7

Pin	Electrode
1	No connection
2	Control grid
3	Suppressor grid
4	Heater
5	Heater
6	Cathode
7	Screen grid
T.C.	Anode

TOP CAP
See K1001/AI/D5.1

DIMENSIONS
See K1001/AI/D1

Dimension	Min.	Max.
A mm	130	141
B mm	-	44.5

NOTES

A. Measured at Va = 200, Vg2 = 100, Vg1 = 0

This valve type is obsolete and this specification is for record purposes only.

TESTS

To be performed in addition to those applicable in K1001

	Test conditions					Test	Limits Min.	Limits Max.	No. tested	Notes
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	-	0.03	T.A	
	TC1		3,4,5,6,7		1,2,8,9,10,TC2	(ii) Cae	-	7.6	6 per week	
	2		3,4,5,6,7		1,8,9,10,TC1,TC2	(iii) Cge	-	17.2		
	Vh	Va	Vg2	Vg3	Vg1					
b	4.0	-	-	-	-	Ih (A)	0.9	1.1	100% or S	
c	4.0	200	100	0	-1	Ia (mA)	3.0	8.0	100%	
d	4.0	200	100	0	-1	Ig2 (mA)	-	2.75	100%	
e	4.0	200	100	0	-1	gm (mA/V)	2.15	4.5	100%	
f	4.0	200	100	0	-2	Rev Ig (uA)	-	1.7	100%	
g	4.0	4000	50	0	Ia= 25uA	Vg (C.O.) (V)	-	-25	5% (20)	1 & 3
h	4.0	4000	50	0	1.0mA	Flashover test No abnormal phenomena should be apparent.			5% (20)	2 & 3

NOTES

1. H.T. to be applied only as long as is necessary to take reading.
2. During this test flashovers may be allowed to occur, providing such flashovers do not render the valve inoperative.
3. The use of an approved high voltage conditioning apparatus is accepted as alternative to tests f and g.