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

VALVE ELECTRONIC **CV1367** (ATP5)

Specification MOS/CV1367/Issue 4 Dated 3.4.46 To be read in conjunction with K1001	SECURITY Specification: Restricted Valve: Restricted

→ indicates a change

TYPE OF VALVE:- Transmitting pentode CATHODE:- Directly heated ENVELOPE:- Glass, unmetallised PROTOTYPE:- V245	MARKING See K1001/4

RATING			Note
Filament voltage	(V)	3.0	
Filament current	(A)	0.3	
Max. anode voltage	(V)	450	
Max. screen voltage	(V)	250	
Max. anode dissipation	(W)	5.0	
Mutual conductance	(mA/V)	5.0	A
CAPACITANCES (pF)			
Cag		0.06	
Cae		8.5	
Cge		15.5	

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

TOP CAP
See K1001/AI/D5.1

NOTES

A. Measured at Va = Vg2 = 250, Ia = 16 mA

This valve type is obsolete and this specification is for record purposes only.

DIMENSIONS
See K1001/AI/D1

Dimension	Min.	Max.
A mm	127	138
B mm	-	40
L mm	112	122

CV1367

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions						Tests	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	-	0.06	T.A.
	TC1		3,4,5,7,		1,6,8,9, 10,TC2		(ii) Cae	7.0	10.0	6 per week
	2		3,4,5,7		1,6,8,9, 10,TC1, TC2		(iii) Cge	14.0	17.0	
b	Vf	Va	Vg3	Vg2	Vgl	Ia (mA)	If (A)	0.27	0.33	100% or S
	3.0	-	-	-	-	-				
c	3.0	250	0	250	Read	20	Vgl (V)	-4.5	-6.8	100%
d	3.0	250	0	250	-	20	Ig2 (mA)	-	5.9	100%
e	3.0	250	0	250	-	16	gm (mA/V)	4.5	7.0	100%
f	3.0	250	0	250	-	20	Rev Ig (uA)	-	4.0	100%
g	3.0	250	0	250	-18	-	Ia (mA)	-	0.05	100%
h	3.0	250	Read	250	-	20	Vg3 (V) (bias required to reduce Ia to 10 mA)	-30	-50	0.1% (4)