VALVE ELECTRONIC **CV 1370** (ATP 35)

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

Specification No. MOS/CV1370/5 Dated : 7.8.45. To be read in conjunction with K1001.	SECURITY Specification Restricted | Valve Restricted ←

→ Indicates a change.

TYPE OF VALVE : Transmitting screened pentode CATHODE : Indirectly heated ENVELOPE : Glass - unmetallised COMMERCIAL PROTOTYPE : PV1/35	MARKING In addition to that in K1001/4 none. ←

RATING			Note
Heater voltage	(V)	12.0	
Heater current	(A)	0.9	
Max. anode voltage	(V)	1000	
Max. anode dissipation	(W)	35	
Max. screen voltage	(V)	500	
Mutual conductance	(mA/V)	2.0	A
CAPACITANCES (pF)			
Cag (max.)		0.16	
Cae		12.0	
Cge		16.0	

BASE B7

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

TOP CAP
See K1001/AI/D.5.4.

DIMENSIONS
See K1001/AI/D.1

Dimensions	Min.	Max.
A mm	-	177
B mm	-	65
L mm	-	161

NOTES :

A. Measured at Va = 1000
Vg2 = 200
Ia = 40mA

CV 1370

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 HP		Links to LP		Links to E					
	TC1		1		2,3,4,5, 6,7,8,9, 10,TC2.		Cag	-	0.16	T.A.
	TC1		2,3,4,5, 6,7.		1,8,9,10, TC2.		Cae	9.5	14.5	6 per week
	1		2,3,4,5, 6,7.		8,9,10, TC1,TC2.		Cge	13.0	19.0	
b	Vh	Va	Vg1	Vg2	Vg3	Ia mA				
	12	-	-	-	-	-	Ih (A)	0.8	1.0	100% or S
c	12	1000	Read	200	0	40	Vg1	-23.5	-36.5	100%
d	12	1000	As in c	200	0	40	Ig2 (mA)	-	4.5	100%
e	12	1000	-5 from c	200	0	Read	Change in Ia (mA)	8.0	12.0	100%
f	12	1000	As in c	200	Read	20	Vg3	-120	-200	100%
g	12	1000	Ad-just	200	0	35	Rev. Ig (µA) After 10 min not rising.	-	20	100%
h	12	180	180	180	180	-	Ic (A)	0.9	-	100%
	Voltage applied intermittently									