

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

Valve

Restricted

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→ 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

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

Note

A

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

CAPACITANCES (pF)

C _{ag} (max.)	0.16
C _{as}	12.0
C _{ge}	16.0

TOP CAP

See K1001/AI/D.5.4.

DIMENSIONS

See K1001/AI/D.1

NOTES :

A. Measured at $V_a = 1000$

$V_{g2} = 200$

$I_a = 4.0\text{mA}$

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

CV1370/5/1.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions						Tests	Limits		No. Tested
								Min.	Max.	
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
	1	2,3,4,5,6,7.	8,9,10,TC1,TC2.				Cge	13.0	19.0	per week
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								

CV1370/5/ii.