

Specification MOS/CV1372/6 Dated : 25.9.45. To be read in conjunction with K1001 ignoring clauses 5.2 and 7.2.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification Restricted</td><td>Valve Restricted</td></tr> </table>	SECURITY		Specification Restricted	Valve Restricted
SECURITY					
Specification Restricted	Valve Restricted				

Indicates a change

TYPE OF VALVE : Transmitting Pentode	<u>MARKING</u>
CATHODE : Directly Heated	
ENVELOPE : Glass	As in K1001/4
COMMERCIAL PROTOTYPE : 4069A.	

RATING		Note	BASE USC5		
			Pin	Electrode	
Filament Voltage (V)	10.0	A	1	Filament	
Filament Current (A)	5.4		2	Screen Grid	
Max. Anode Voltage	2000		3	Control Grid	
Max. Screen Voltage	400		4	Suppressor Grid	
Max. Anode Dissipation (W)	100		5	Filament	
Max. Screen Dissipation (W)	35		T.C.	Anode	
Mutual Conductance (mA/V)	5.25				
CAPACITANCES (pF)			DIMENSIONS		
			See K1001/A1/D1		
Cag	0.1		mm	Min.	Max.
Cae	13.0		A	225	249
Cge	19.0		B	60	66
			C	-	45.8
			L	-	232
			Y	-	39.2

NOTES

- A. Measured at $V_a = 2000$
 $V_{g2} = 400$
 $V_{g1} = -20$

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
	Vf AC	Va	Vg3	Vg2	Vg1		Min.	Max.	
a	10.0	-	-	-	-	If (A)	5.2	5.6	100%
b	10.0	2000	0	400	-22	Ia (mA)	35	70	100%
c	10.0	2000	0	400	-18 to -22	gm (mA/V)	4.5	6.25	100%
d	10.0	2000	0	400	-44	Ia tail (mA)	-	2.0	100%
e	10.0	2000	0	400	Ia= 100mA	Reverse Ig (μ A) Note 1	-	15	100%
f	10.0	2000	+40	400	-20	i. Ia (mA)	50	80	100%
						ii. Ig2 (mA)	5	17	
						iii. Ig3 (mA)	-	2	
g	10.0	2000	-80	400	-20	i. Ia (decrease) (mA)	4	14	100%
						ii. Ig2 (increase) (mA) from that in 'f'i and ii	-	9	

NOTES.

1. After 3 minutes not rising