

Specification MOS/CV1372/6 Dated : 25.9.45. To be read in conjunction with K1001 ignoring clauses 5.2 and 7.2.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

→ Indicates a change ←

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

<u>CAPACITANCES (pF)</u>		<u>DIMENSIONS</u> See K1001/A1/D1		
		mm	Min.	Max.
Cag	0.1	A	225	249
Cae	13.0	B	60	66
Cge	19.0	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) ii. Ig2 (mA) iii. Ig3 (mA)	50 5 -	80 17 2	100%
g	10.0	2000	-80	400	-20	i. Ia (decrease) (mA) ii. Ig2 (increase) (mA) from that in 'f'i and ii	4 -	14 9	100%

NOTES. 1. After 3 minutes not rising