

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

(AT&A)

Specification MOS/CV1366/Issue 6 Dated:- 2.9.46 To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

→ indicates a change

<u>TYPE OF VALVE:-</u> Transmitting screened pentode		<u>MARKING</u>		
<u>CATHODE:-</u> Directly heated		See K1001/A		
<u>ENVELOPE:-</u> Glass - unmetallised				
<u>PROTOTYPE:-</u> V248A				
<u>RATING</u>		Note	<u>BASE</u> NO	
Filament voltage (V)	2.6	A	<u>Pin</u>	<u>Electrode</u>
Filament current (A)	0.3		1	F -ve
Max. anode voltage (V)	150		2	No connection
Max. screen voltage (V)	150		3	No connection
Max. anode dissipation (W)	5.0		4	Screen grid
Mutual conductance (mA/V)	5.2		5	Control grid
<u>CAPACITANCES (pF)</u>			6	No connection
Cag (max.)	2.0		7	No connection
Ca - all	18.0		8	F +ve
Cg - all	19.0		T.O.	Anode
<u>NOTES</u>		<u>TOP CAP</u>		
		See K1001/AI/D5.1		
A. Measured at $V_a = 150$, $V_{g_2} = 150$, $V_{g_1} = -10$.		<u>DIMENSIONS</u>		
		See K1001/AI/D1		
		<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
A mm	-	114		
B mm	-	39		

TESTS

To be performed in addition to those applicable in K1001

	Test conditions				Test	Limits		No. tested
						Min.	Max.	
a	See K1001/AIII				Capacitances (pF)			1% (20)
	Links to H.P.	Links to L.P.	Links to E					
	TC ₁	5	1,2,3,4,6, 7,8,9,10, TC ₂					
	TC ₁	1,4,5,8	2,3,6,7,9 10,TC ₂					
	5	TC ₁ ,1, 4,8	2,3,6,7, 9,10,TC ₂		(iii) Cg - all	16.0	22.0	
b	V _F	V _a	V _{G2}	V _{G1}	I _f (A)	0.27	0.33	100% or 8
	2.0	-	-	-				
c	2.0	150	150	-10	I _a (mA)	21.3	42.7	100%
d	2.0	150	150	-10	I _{G2} (mA)	-	10.0	100%
e	2.0	150	150	-10 to 6	I _a rise (mA)	14.5	-	100%
f	2.0	150	150	-14	Rev I _G (uA)	-	1.0	100%
g	2.0	150	150	-23	I _a (mA)	-	1.0	100%