

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

Specification MOS/CV1336/Issue 7

Dated:- 17.6.46.

To be read in conjunction with K1001.

SECURITY

Specification

Valve

Restricted

Restricted

—> indicates a change

<u>TYPE OF VALVE:-</u> H. F. Pentode			<u>MARKING</u>	
<u>CATHODE:-</u> Indirectly heated			See K1001/4	
<u>ENVELOPE:-</u> Metallised				
<u>PROTOTYPE:-</u> SP42				
<u>RATING</u>			<u>BASE</u>	
			MO 7-pin	
			Note	
			Pin	
			Electrode	
Heater voltage			4.0	
Heater current			0.95	
Max. anode voltage (V)			200	
Max. screen voltage (V)			200	
Anode current (mA)			23	
Mutual conductance (mA/V)			8.5	
			A	
			A	
<u>CAPACITANCES (pF)</u>				
Cag (max.)			0.007	
Cae			7.0	
Cge			10.5	
			TC	

A. Measured at $V_a = 200$, $V_{g2} = 115$,
 $V_{g1} = -1$.

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						
	3	TC1	1,2,4,5, 6,7,8,9, 10,TC2.			(i) C _{ag}	-	0.007	
	3	1,2,4,5, 6,8	7,9,10, TC1,TC2			(ii) C _{ae}	6.0	8.0	
	TC1	1,2,4,5, 6,8	3,7,9, 10,TC2			(iii) C _{ge}	9.0	12.0	
b	V _h	V _a	V _{g2}	V _{g1}	V _{g3}	I _h (A)	0.85	1.05	10% (50)
	4.0	-	-	-	-				
c	4.0	200	115	0	0	I _a (mA)	23.5	42.0	100%
d	4.0	200	115	0	0	I _{g2} (mA)	-	11.0	100%
e	4.0	200	115	-1	0	g _m (mA/V)	6.2	-	100%
f	4.0	200	115	-3	0	Rev. I _{g1} (uA)	-	0.5	100%