

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

Specification MOS/CV585/Issue 4	<u>SECURITY</u>	
Dated 8.3.46	<u>Specification</u>	<u>Valve</u>
To be used in conjunction with K1001	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> Glass-unmetallised		Additional marking:-	
<u>PROTOTYPE:-</u> 6C6		6C6	
<u>RATING</u>		<u>BASE</u>	
		USS6	
		Pin	
		Electrode	
Heater voltage (V)	6.3	1	Heater
Heater current (A)	0.3	2	Anode
Max. anode voltage (V)	250	3	Screen Grid
Max. screen voltage (V)	100	4	Suppressor Grid
Mutual conductance (mA/V)	1.25	5	Cathode
		6	Heater
		T.C	Control Grid
<u>CAPACITANCES (pF)</u>		<u>TOP CAP</u>	
Cag (max.)	0.01	See K1001/AI/D5.1	
Cae	6.5	<u>DIMENSIONS</u>	
Cge	5.0	See K1001/AI/D1	
<u>NOTES</u>		Dimension	
A. Measured at Va = 250		Min.	
Vg2 = 100		Max.	
Vg1 = -3		A mm	119
		B mm	40

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
							Min.	Max.	
a	See K1001/AIII					<u>CAPACITANCES</u>			
	Links to H.P.	Links to L.P.	Links to E			(pF)			
	2	TCL	1,3,4,5,6, 7,8,9,10, TC2.			(i) Cag	-	0.01	T.A
	2	1,3,4,5, 6.	7,8,9,10, TC1,TC2.			(ii) Cae	5.5	7.5	6 per. week
TCL	1,3,4,5, 6.	2,7,8,9, 10,TC2			(iii)Cge	4.0	6.0		
b	Vh	Va	Vg2	Vg1	Vg3	Ih (A)	0.27	0.33	100% or S
	6.3	-	-	-	-				
c	6.3	250	100	-3	0	Ia (mA)	1.4	3.3	100%
d	6.3	250	100	-3	0	Ig2 (mA)	-	1.0	100%
e	6.3	250	100	-3	0	gm (mA/V)	1.0	1.4	100%
f	6.3	250	100	-3	0	Rev. Ig1 (uA)	-	1.0	100%
g	6.3	250	100	-7.5	0	Ia (mA)	-	0.1	100%