

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

Specification MOS/CV1947/Issue 2 Dated:- 4.5.49. To be read in conjunction with K1001.		<u>SECURITY</u> Specification Restricted		<u>Valve</u> Unclassified	
<u>TYPE OF VALVE</u> :- Beam Power Amplifier <u>CATHODE</u> :- Indirectly heated <u>ENVELOPE</u> :- Glass-ummetallised <u>PROTOTYPE</u> :- 6L6G.		<u>MARKING</u> See K1001/4.		<u>PACKAGING</u> See K1005.	
<u>RATING</u>		Note		<u>BASE</u> IO	
Heater voltage (V)	6.3	A	Pin	Electrode	
Heater current (A)	0.9		1	No connection	
Max. anode voltage (V)	400		2	Heater	
Max. screen voltage (V)	300		3	Anode	
Max. anode dissipation (W)	21		4	Screen Grid	
Max. screen dissipation (W)	2.75		5	Control Grid	
Mutual conductance (mA/V)	6.0		6	Pin omitted	
<u>CAPACITANCES (pF)</u>			7	Heater	
Cag	0.9		8	Cathode and beam-forming plates	
Cae	9.5		<u>DIMENSIONS</u> See K1001/AI/D1.		
Cge	11.5		Dimensions	Min.	Max.
<u>NOTE</u> A. Measured at $V_a = V_{g2} = 250V$. $V_{g1} = -14.0V$.			A mm.	-	136
			B mm.	-	53

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested
	Vh	Va	Vg2	Vg1		Min.	Max.	
a	6.3	-	-	-	Ih (A)	0.84	0.96	100% Or S
b	6.3	250	250	-14	Ia (mA)	58	86	100%
c	6.3	250	250	-14	Ig2 (mA)	-	8.0	100% or S
d	6.3	250	250	-14	gm (mA/V)	5.2	6.8	100%
e	6.3	250	250	-14	Rev. Ig1 (μ A)	-	3.0	100%
f	6.3	50	50	50	Emission (mA)	275	-	100%