

Specification MAP/CV1067/Issue 5 Dated 30.8.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

→ Indicates a change

<u>TYPE OF VALVE</u> : Triode <u>CATHODE</u> : Indirectly heated <u>ENVELOPE</u> : Glass-umetallised <u>PROTOTYPE</u> : L63			<u>MARKING</u> See K1001/4																			
<u>RATING</u>		Note	<u>BASE</u> I.O.																			
Heater Voltage (V)	6.3		<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 10%;">Pin</th> <th style="width: 90%;">Electrode</th> </tr> </thead> <tbody> <tr><td>1</td><td>No connection</td></tr> <tr><td>2</td><td>Heater</td></tr> <tr><td>3</td><td>Anode</td></tr> <tr><td>4</td><td>Pin omitted</td></tr> <tr><td>5</td><td>Grid</td></tr> <tr><td>6</td><td>Pin omitted</td></tr> <tr><td>7</td><td>Heater</td></tr> <tr><td>8</td><td>Cathode</td></tr> </tbody> </table>			Pin	Electrode	1	No connection	2	Heater	3	Anode	4	Pin omitted	5	Grid	6	Pin omitted	7	Heater	8
Pin	Electrode																					
1	No connection																					
2	Heater																					
3	Anode																					
4	Pin omitted																					
5	Grid																					
6	Pin omitted																					
7	Heater																					
8	Cathode																					
Heater Current (A)	0.3																					
Max. Anode Voltage (V)	250																					
Max. Anode Dissipation (W)	2.5																					
Mutual Conductance (mA/V)	2.6																					
Amplification Factor	20	A																				
Anode Impedance ( $\Omega$ )	7,700	A																				
<u>NOTE</u> A. $V_a = 250V.$ , $V_g = -8V.$ , $I_a = 9.0mA.$			<u>DIMENSIONS</u> See K1001/AI/D1																			
Dimension		Min.	Max.																			
A (mm)		-	107																			
B (mm)		-	40																			

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh	Va	Vg		Min.	Max.	
a	6.3	0	0	Ih (A)	0.27	0.33	100% or S
b	6.3	250	-8	Reverse $I_{g1}$ ( $\mu$ A)	-	1.0	100%
c	6.3	250	-8	Ia (mA)	6.4	11.6	100%
d	6.3	250	-8	gm (mA/V)	2.1	3.1	100%
		Peak grid swing $\pm 1.0V$ . max.					
e	6.3	250 through 4 M $\Omega$	-24	Ia tail ( $\mu$ A)	-	20.0	100%