

Specification MAP/CV1075/Issue 6 Dated 25.1.49 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> : -Output Tetrode (Pentode Characteristic)		<u>MARKING</u> See K.1001/4																			
<u>CATHODE</u>	- Indirectly heated	<u>PACKING</u> See K.1005																			
<u>ENVELOPE</u>	- Glass - unmetallised																				
<u>PROTOTYPE</u>	- KT66																				
<u>RATING</u>		<u>BASE</u> I.O.																			
Heater Voltage	(V) 6.3	Note A	<table border="1"> <thead> <tr> <th>Pin</th> <th>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>Screen grid</td></tr> <tr><td>5</td><td>Control 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	Screen grid	5	Control grid	6	Pin omitted	7	Heater	8	Cathode
Pin	Electrode																				
1	No connection																				
2	Heater																				
3	Anode																				
4	Screen grid																				
5	Control grid																				
6	Pin omitted																				
7	Heater																				
8	Cathode																				
Heater Current	(A) 1.27																				
Max. Anode Voltage	(V) 400																				
Max. Screen Voltage	(V) 300																				
Max. Anode Dissipation	(W) 25																				
Max. Screen Dissipation	(W) 2.0																				
Mutual Conductance	(mA/V) 6.25																				
		<u>DIMENSIONS</u> See K.1001/A1/D1																			
		Dimension	Min. Max.																		
		A	(mm) - 141																		
		B	(mm) - 57																		
<u>NOTE</u>																					
A: $V_a = 250$, $V_{g2} = 250$, $V_{g1} = -15$, $I_a = 85\text{mA}$.																					

CV 1075

TESTS

To be performed in addition to those applicable in K.1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
	Vh(V)	Va(V)	Vg2(V)	Ia(mA)				
a	6.3	0	0	0	Ih (A)	1.14	1.40	100% or S
b	6.3	250	250	85	Vg1	-11.5	-18.5	100%
c	6.3	250	250	85	Ig2 (mA)	-	11.0	100% or S
d	6.3	250	250	85	Reverse Ig1 (μ A)	-	2.5	100%
e	6.3	250	250	85	gm (mA/V)	5.0	7.5	100%
		Peak grid swing \pm 1.0V max.						
f	6.3	50V. D.C. applied between Cathode and all other electrodes strapped.			<u>Emission Test</u> Total Ic (mA)	300	-	100%