

Specification MAP/CV1075/Issue 6 Dated 25.1.49 To be read in conjunction with K1001.	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>RESTRICTED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	RESTRICTED	UNCLASSIFIED
SECURITY							
Specification	Valve						
RESTRICTED	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>		Note	See K1001/A1/D2 M Dimension <u>BASE</u> (vi) applies I.O.	
Heater Voltage	(V)	6.3	Pin	Electrode
Heater Current	(A)	1.27		
Max. Anode Voltage	(V)	400		
Max. Screen Voltage	(V)	300		
Max. Anode Dissipation	(W)	25	1	No connection
Max. Screen Dissipation	(W)	2.0	2	Heater
Mutual Conductance	(mA/V)	6.25	3	Anode
			4	Screen grid
			5	Control grid
			6	Pin omitted
			7	Heater
			8	Cathode
			<u>DIMENSIONS</u> See K.1001/A1/D1	
			Dimension	Min. Max.
			A (mm)	- 141
			B (mm)	- 57

NOTE

A: $V_a = 250$, $V_{g2} = 250$, $V_{g1} = -15$, $I_a = 85mA$.

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%