

Specification MAP/CV1066/Issue 6 Dated 6.1.49 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> Triode		<u>MARKING</u>																		
<u>CATHODE:</u> Indirectly heated		See K1001/4																		
<u>ENVELOPE:</u> Glass - Metallised		<u>PACKING</u>																		
<u>COMMERCIAL PROTOTYPE:</u> P 41 (mod.)		See K1005																		
<u>RATING</u>		<u>BASE</u>																		
		M. O.																		
Heater Voltage	V 6.3	<table border="1"> <thead> <tr> <th>Pin</th> <th>Electrode</th> </tr> </thead> <tbody> <tr><td>1</td><td>Heater</td></tr> <tr><td>2</td><td>Cathode</td></tr> <tr><td>3</td><td>Anode</td></tr> <tr><td>4</td><td>No connection</td></tr> <tr><td>5</td><td>Grid</td></tr> <tr><td>6</td><td>Metallising</td></tr> <tr><td>7</td><td>Pin Omitted</td></tr> <tr><td>8</td><td>Heater</td></tr> </tbody> </table>	Pin	Electrode	1	Heater	2	Cathode	3	Anode	4	No connection	5	Grid	6	Metallising	7	Pin Omitted	8	Heater
Pin	Electrode																			
1	Heater																			
2	Cathode																			
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4	No connection																			
5	Grid																			
6	Metallising																			
7	Pin Omitted																			
8	Heater																			
Heater Current	A 0.64																			
Maximum Anode Voltage	V 250																			
Maximum Anode Dissipation	W 4.0																			
Mutual Conductance	mA/V 8.0 A																			
Anode Impedance	Ω 2100 A																			
Amplification Factor	17 A																			
Maximum Operating Frequency	Mc/s 100																			
<u>CAPACITANCES (pF)</u>		<u>DIMENSIONS</u>																		
		See K1001/A1/B1																		
C _{ae}	4.75	Dimensions	Min. Max.																	
C _{ge}	7.0	A (mm)	- 92																	
C _{ag}	3.5	B (mm)	- 36																	
C _{hc}	6.35																			

NOTES

A. $V_a = 100, V_g = 0.$

TESTS

To be performed in addition to those applicable in K1001.

Clause	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	See K1001/AIII. Measured using Adaptor type 38 Ref. 10A/13334				Capacitances (pF)			6. per week
	Links to H.P.	Links to L.P.	Links to E					
	3	1,2,4,6,8	5,7,9,10 TC1, TC2		1. Cae	4.25	5.7	
	5	1,2,4,6,8	3,7,9,10 TC1, TC2		2. Cge	6.3	8.0	
	3	5	1,2,4,6,7,8,9,10 TC1, TC2		3. Cag	3.0	4.0	
	1	2	3,4,5,6,7,9,10 TC1, TC2		4. Cho	-	10.0	
b	Vh	Va	Vg	Ia(mA)	Ih (A)	0.57	0.70	100% or S
	6.3	0	0	-				
c	6.3	200	-9	-	Reverse Ig (μA)	-	0.5	100%
d	6.3	200	-	15	Vg	-7.0	-11.5	100%
e	6.3	200	2.V positive the value found in test d.	-	Ia rise (mA)	9.0	12.5	100%