

Specificati on MAP/CV1095/Issue 7 Dated 7.8.47. 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> - Acorn Pentode <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass-unmetallised <u>PROTOTYPES</u> - ZA2, 954, 4672		<u>MARKING</u> See K1001/4																	
<u>RATING</u>		<u>BASE</u> None All pins are to be plated.																	
Heater Voltage (V) 6.3 Heater Current (A) 0.15 Max. Anode Voltage (V) 250 Max. Screen Voltage (V) 150 Max. Anode Dissipation (W) 0.5 Max. Screen Dissipation (W) 0.1 Mutual Conductance (mA/V) 1.4 Anode Impedance (MΩ) 1.5	Note A A	<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>Screen grid</td></tr> <tr><td>3</td><td>Suppressor grid</td></tr> <tr><td>4</td><td>Heater</td></tr> <tr><td>5</td><td>Cathode</td></tr> <tr><td>Top Wire</td><td>Anode</td></tr> <tr><td>Bottom Wire</td><td>Control grid</td></tr> </tbody> </table>	Pin	Electrode	1	Heater	2	Screen grid	3	Suppressor grid	4	Heater	5	Cathode	Top Wire	Anode	Bottom Wire	Control grid	
Pin	Electrode																		
1	Heater																		
2	Screen grid																		
3	Suppressor grid																		
4	Heater																		
5	Cathode																		
Top Wire	Anode																		
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<u>CAPACITANCES (pF)</u> C _{ae} 3.0 C _{ge} 3.0 C _{ag} (max.) 0.01		<u>DIMENSIONS</u> See K1001/AI/D4.2.2																	

NOTE

A. At $V_a = 250$, $V_{g2} = 100$, $V_{g3} = 0$, $V_{g1} = -3.0$.

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested
							Min.	Max.	
a	See K1001/AIII					<u>CAPACITANCES</u> (pF)			6 per week
	Links to H.P.	Links to L.P.	Links to E						
	TC1	1,2,3,4, 5.	6,7,8, 9,10, TC2						
	6	1,2,3,4, 5.	7,8,9, 10,TC1 TC2.						
	TC1	6	1,2,3, 4,5,7, 8,9,10 TC2			Cag	-	0.01	T.A.
b	Vh	Va	Vg3	Vg2	Vg1	Ih (A)	0.135	0.165	100% or S
	6.3	0	0	0	0				
c	6.3	250	0	100	-3.0	Ia (mA)	1.0	3.0	100%
d	6.3	250	0	100	-3.0	gm (mA/V)	1.0	1.8	100%
	Peak grid swing $\pm 0.5V$. max.								
e	6.3	250	0	100	-3.0	Ig2 (mA)	0.3	1.1	100% or S
f	6.3	250	0	100	-3.0	Reverse Ig1 (μA)	-	1.5	100%
g	6.3	250	0	100	-10	Ia (mA)	-	0.12	100%