

RRE

Specification MAP/CV1100/Issue 6 Dated 7.1.46. To be read in conjunction with K.1001	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>RESTRICTED</td><td>RESTRICTED</td></tr> </table>	SECURITY		Specification	Valve	RESTRICTED	RESTRICTED
SECURITY							
Specification	Valve						
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<u>TYPE OF VALVE:-</u> Variable- μ H.F.pentode <u>CATHODE:-</u> Indirectly Heated. <u>ENVELOPE:-</u> Glass - unmetallised. <u>PROTOTYPE:-</u> KTW62	<u>MARKING</u> See K.1001/4
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<u>RATING</u>			Note	See K1001/A1/D2 M Dimension <u>BASE</u> (ii) applies I.O.	
Heater Voltage	(V)	6.3	A	Pin	Electrode
Heater Current	(A)	0.3		1	No connection
Max. Anode Voltage	(V)	250		2	Heater
Max. Screen Voltage	(V)	100		3	Anode
Anode Current	(mA)	8.0	B	4	Screen Grid
Mutual Conductance	(mA/V)	2.85	B	5	Internal shield
<u>CAPACITANCES (pF)</u>				6	Pin omitted
C _{ge}		7.0		7	Heater
C _{ae}		7.0		8	Cathode
C _{ag} (max.)		0.005		T.C.	Control grid

<u>NOTES</u> A:- Valve shall be capable of satisfactory operation over a heater voltage range of 5.7V. to 7.5V. B:- At V _a = 250, V _{g2} = 80, V _{g1} = -3	<u>PLUG TOP CAP</u> See K1001/A1/D5.2																					
	<u>DIMENSIONS</u> See K1001/A1/D1																					
	<table> <tr> <th>Dimension</th><th></th><th>Min.</th><th>Max.</th></tr> <tr> <td>A</td><td>(mm)</td><td>110</td><td>120</td></tr> <tr> <td>B</td><td>(mm)</td><td>-</td><td>39.6</td></tr> <tr> <td>C</td><td>(mm)</td><td>-</td><td>30</td></tr> <tr> <td>D</td><td>(mm)</td><td>-</td><td>30</td></tr> </table>	Dimension		Min.	Max.	A	(mm)	110	120	B	(mm)	-	39.6	C	(mm)	-	30	D	(mm)	-	30	
Dimension		Min.	Max.																			
A	(mm)	110	120																			
B	(mm)	-	39.6																			
C	(mm)	-	30																			
D	(mm)	-	30																			

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)	6.0 8.4		6 per week
	Links to H.P.	Links to L.P.	Links to E.					
	T.C.1.	1,2,4,5, 7,8.	3,6,9,10 TC2					
	3	1,2,4,5, 7,8	TC1,6,9, 10,TC2					
					1. Cge	6.0 8.4		
					2. Cae	5.8 8.5		
					3. Cag	- 0.005	T.A.	
b	Vh	Va	Vg2	Vg1	Ih (A)	0.27 0.33		100% or S
	6.3	0	0	0				
c	6.3	250	80	-3	Ia (mA)	5.4 10.7	100%	
d	6.3	250	80	-3	Ig2 (mA)	1.55 3.55	100% or S	
e	6.3	250	80	-3	gm (mA/V)	1.95 3.85	100%	
	Peak grid swing $\pm 0.5V$. max.							
f	6.3	250	80	-20	Ia (μA)	5.0 800	100%	
g	6.3	250	80	-3	Reverse Ig1 (μA)	- 1.0	100%	