

Specification MAP/CV1137/ Issue 6 Dated 4.3.47. To be read in conjunction with K1001.	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>RESTRICTED</td><td>RESTRICTED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	RESTRICTED	RESTRICTED
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<u>Specification</u>	<u>Valve</u>						
RESTRICTED	RESTRICTED						

—————> Indicates a change

<u>TYPE OF VALVE</u> -Triode <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass - lower portion in metal shell. <u>PROTOTYPE</u> - RL16			<u>MARKING</u> See K1001/4	
<u>RATING</u>		<u>Note</u>	<u>Pin</u>	<u>Electrode</u> 1 Heater 2 Grid 3 Cathode 4 Anode 5 No connection 6 No connection 7 No connection 8 No connection 9 Heater
Heater Voltage (V) 6.3 Heater Current (A) 0.43 Max. Anode Voltage (V) 400 Max. Anode Dissipation (W) 7.5 Mutual Conductance (mA/V) 6.5 Anode Impedance (Ω) 9,500 Amplification Factor 60 Max. Operating Frequency (Mc/s) 300			<u>DIMENSIONS</u> See K1001/AI/D2. Groove referred to in Note 1 of drawing is required.	
<u>CAPACITANCES (pF)</u> Cae 2.7 Cge 5.3 Cag 2.6				

NOTE

A. $V_a = 250V.$, $V_g = -2.6V.$

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> <u>(pF)</u>			6 per week		
	Links to HP	Links to LP	Links to E							
	4	1,3,5,6, 7,8,9, 10	2 TC1,TC2	Cae					2.3	3.1
	2	1,3,5,6, 7,8,9,10	4 TC1,TC2	Cge					4.5	6.0
	4	2	1,3,5,6, 7,8,9,10 TC1,TC2	Cag					2.2	3.0
b	Vh	Va	Vg	Ia(mA)	Ih (A)	0.38	0.48	100% or S		
	6.3	0	0	0						
c	6.3	250	0	-	Ia (mA)	24.0	42.0	100%		
d	6.3	250	-3	-	Ia (mA)	5.0	10.0	100%		
e	6.3	250	-6	-	Ia (mA)	-	1.5	100%		
f	6.3	250	-3	-	Reverse Ig(μ A)	-	1.0	100%		
g	6.3	250	-	10	μ	50	70	100% or S		
h	6.3	20 volts RMS. at 50 c/s applied to grid and anode strapped			Mean Ic (mA)	50	-	100%		