

Specification MAP/CV1572/Issue 6 Dated 4.10.46 To be read in conjunction with K.1001.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

—————> Indicates a change

<u>TYPE OF VALVE</u> - Beam Tetrode		<u>MARKING</u>		
<u>CATHODE</u> - Indirectly heated		See K1001/4.		
<u>ENVELOPE</u> - Glass-Unmetallised				
<u>PROTOTYPE</u> - 807				
<u>RATING</u>		<u>BASE</u> American Medium 5-pin		
		Note		
Heater Voltage (V)	6.3	A	Pin	Electrode
Heater Current (A)	0.9		1	Heater
Maximum Anode Voltage (V)	600		2	Screen Grid
Maximum Screen Voltage (V)	300		3	Control Grid
Maximum Anode Dissipation (W)	25		4	Cathode and beam forming plates
Maximum Screen Dissipation (W)	3.5		5	Heater
Mutual Conductance (mA/V)	7.1		TC	Anode
Maximum Signal D.C. Anode Current (mA)	120		<u>TOP CAP</u> See K1001/AL/D 5.1	
<u>CAPACITANCES (pF)</u>			<u>DIMENSIONS</u> See K1001/AL/D1	
C _{ae}	8.2		Dimension	Min.
C _{ge}	12.5	A (mm)	-	146
C _{ag} (max.)	0.35	B (mm)	-	53
		C (mm)		35

NOTE

A. At $V_a = 300V.$, $V_{g2} = 250V.$, $I_a = 83mA.$, $V_{g1} = -12.5V.$ approx.

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested		
						Min.	Max.			
a	See K1001/AIII				<u>Capacitances (pF)</u>			6 per week		
	Links to H.P.	Links to L.P.	Links to E	C _{ae}						
	TC1	1,2,4,5	3,6,7,8,9,10 TC2						-	10.0
	3	1,2,4,5	6,7,8,9,10, TC1, TC2						C _{ge}	-
TC1	3	1,2,4,5,6,7,8,9,10 TC2	C _{ag}	-	0.35					
b	V _h	V _a	V _{g2}	I _a (mA)	I _h (A)	0.8	1.0	100% or S		
	6.3	0	0	-						
c	6.3	300	250	83	V _{g1} (V)	-9.5	-15.5	100%		
d	6.3	300	250	83	I _{g2} (mA)	-	11.0	100% or S		
e	6.3	300	250	83	Reverse I _{g1} (μA)	-	2.5	100%		
f	6.3	300	250	83	g _m (mA/V)	5.5	8.7	100%		
		Peak grid swing ±1.0V. max.								
g	6.3	300	250	1.0	V _{g1} (V)	-	-48	100% or S		
h	6.3	400 V. applied to anode, screen, and grid strapped. See K1001/A5			I _e (A)	4.0	-	100%		