

Specification MAP/CV1106;CV1598/Issue 4 Dated 7.1.46. 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> - Variable- μ H.F. Pentode. <u>CATHODE</u> - Indirectly Heated <u>ENVELOPE</u> - Glass-unmetallised <u>PROTOTYPE</u> - 9D2			<u>MARKING</u> See K1001/4	
<u>RATING</u>		<u>Note</u>	<u>BASE</u> B7 See K1001/AIV/D5.3	
Heater Voltage (V) 13.0 Heater Current CV1106 (A) 0.2 CV1598 (A) 0.15 Max. Anode Voltage (V) 250 Max. Screen Voltage (V) 125 Mutual Conductance (mA/V) 1.65 Anode Impedance (M Ω) 0.6 Amplification Factor 1000			<u>Pin</u>	<u>Electrode</u>
			1	No connection
			2	Anode
			3	Suppressor Grid
			4	Heater
			5	Heater
			6	Cathode
			7	Screen Grid
			T.C.	Control Grid
<u>CAPACITANCES (pF)</u> C _{ag} (max.) 0.025 C _{ae} 13.0 C _{ge} 4.7			<u>TOP CAP</u> See K1001/AI/D5.1	
			<u>DIMENSIONS</u> See K1001/AI/D1.	
			<u>Dimensions</u>	<u>Min.</u> <u>Max.</u>
			A (mm)	108 117
			B (mm)	- 39
			C (mm)	- 35

NOTES

A:- Measured at $V_a = 250V$, $V_{g2} = 125V$, $V_{g1} = -3V$

B:- This valve is similar to M. of S. type ARP3, the only difference being that the latter type has dimension B = 40 mm.max.

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>	11.5	14.5	6 per week
	Links to H.P.	Links to L.P.	Links to E.						
	2	1,3,4,5, 6,7.	8,9,10, TC1.TC2						
	T.C.1.	1,3,4,5, 6,7.	2,8,9, 10,TC2						
	With valve screened					3. Cag	-	0.025	T.A.
b	Vh	Va	Vg2	Vg1	Vg3				
	13.0	0	0	0	0	Ih CV1106 (A) CV1598 (A)	0.18 0.135	0.22 0.165	100% or S
c	13.0	250	125	-3	0	Ia (mA)	6.0	13.0	100%
d	13.0	250	125	-3	0	Ig2 (mA)	1.9	3.3	100% or S
e	13.0	250	125	-3	0	gm (mA/V)	1.3	2.0	100%
	Peak grid swing $\pm 0.5V_{max}$.								
f	13.0	250	125	-3	0	Reverse Ig (μA)	-	2.0	100%
g	13.0	250	125	-30	0	Tail Ia (mA)	-	1.0	100%
h	13.0	30	30	30	30	Ic (mA)	50	-	100%