

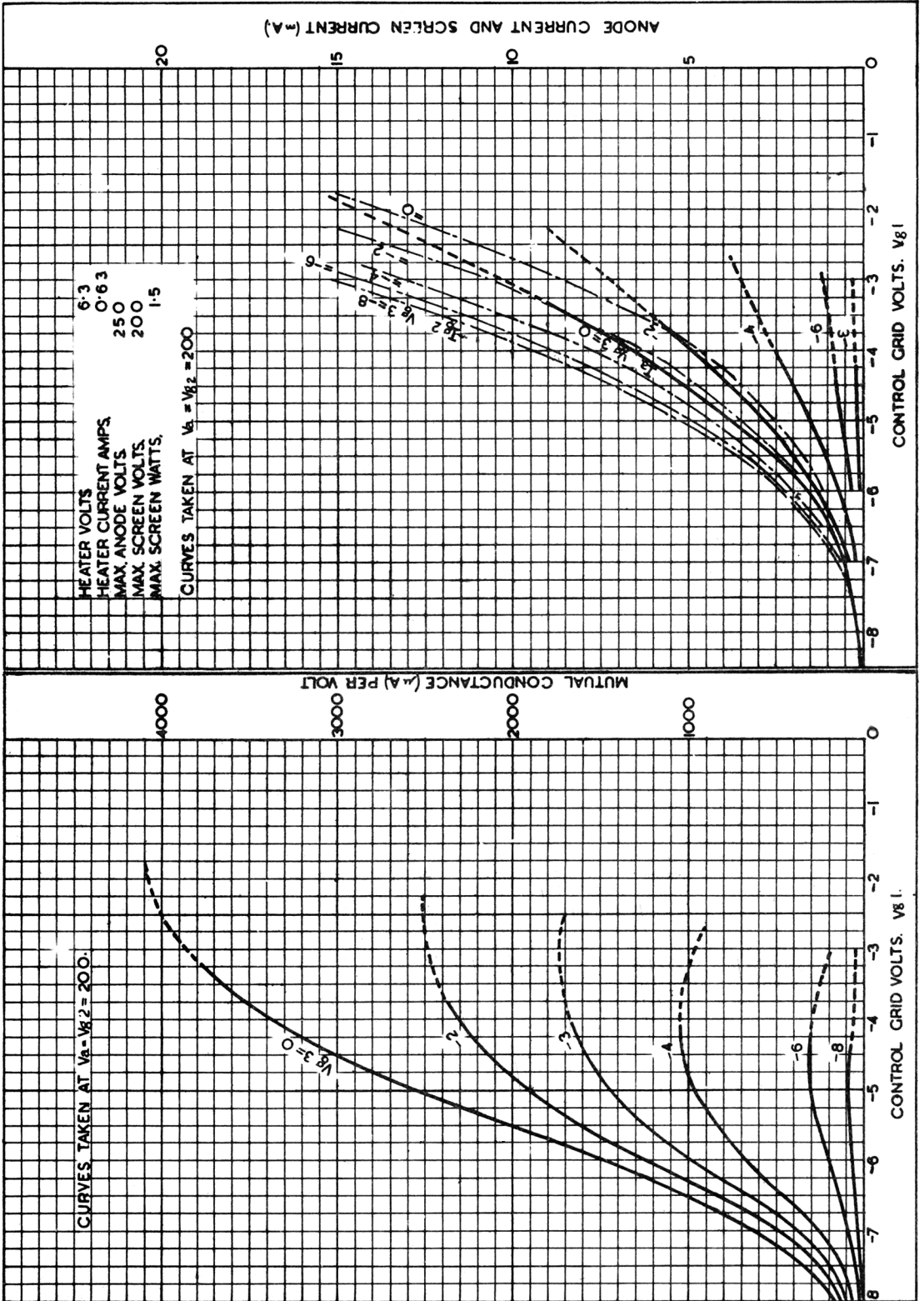
Specification MAP/CV1116/Issue 5 Dated 26.8.46. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> Open	<u>Valve</u> Open

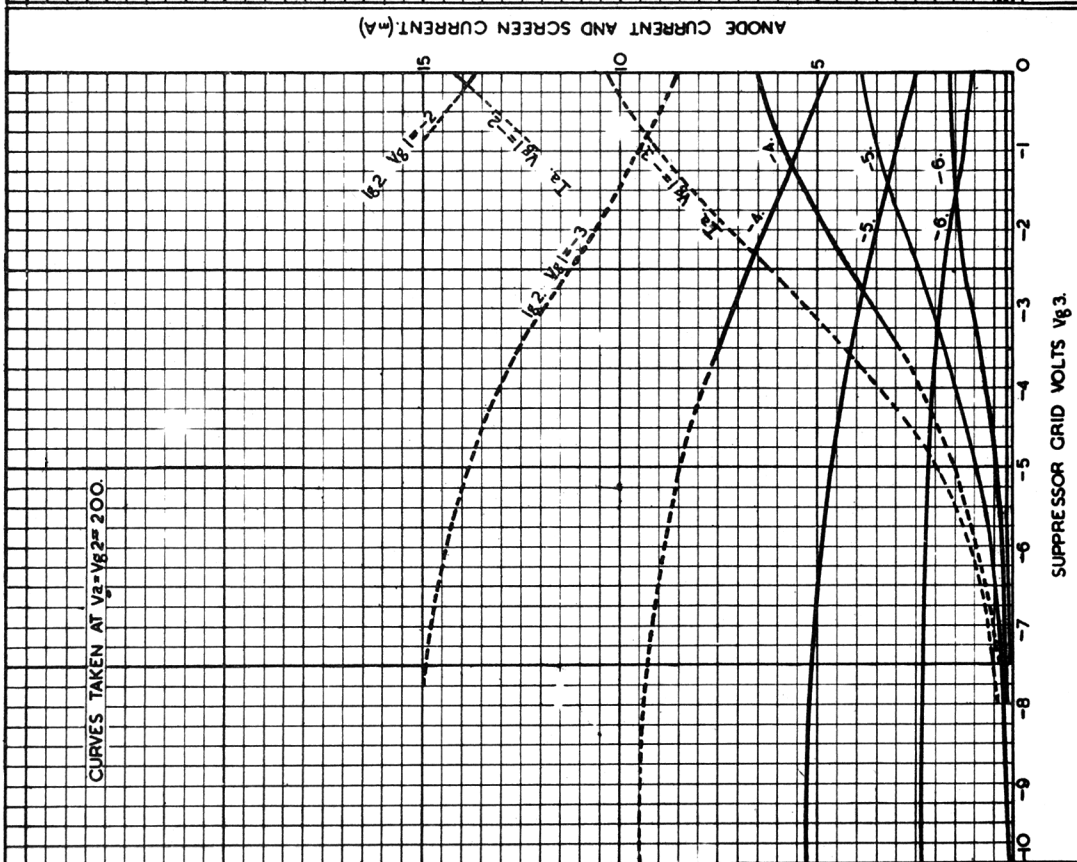
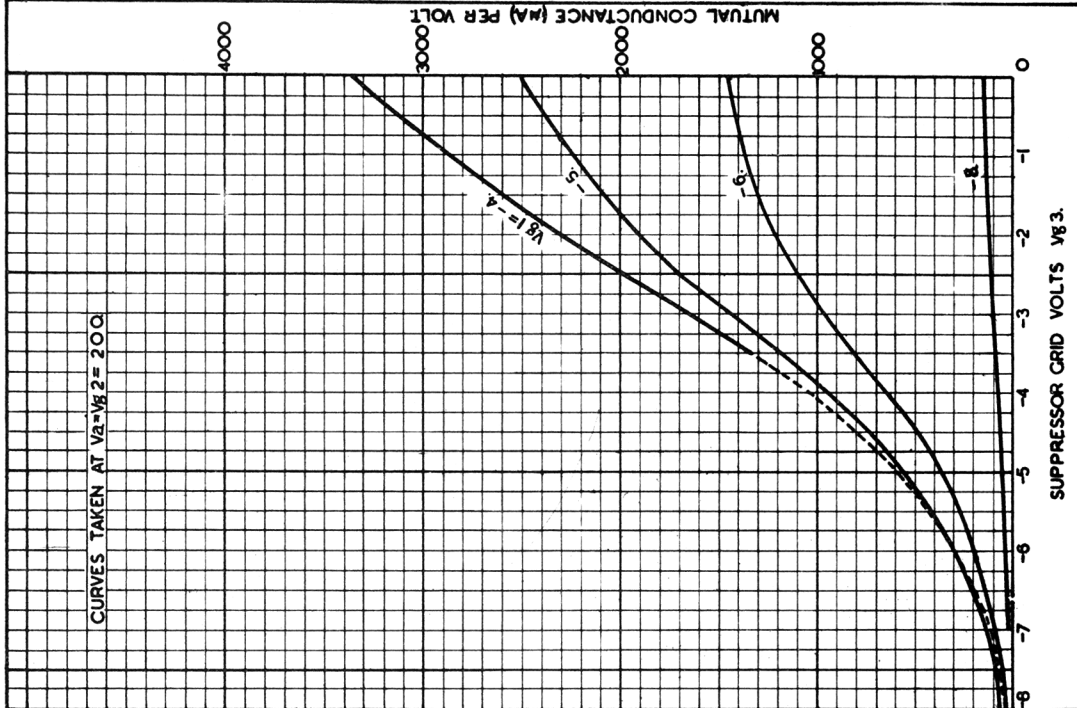
—→ Indicates a change

<u>TYPE OF VALVE :-</u> H.F. Pentode <u>CATHODE :-</u> Indirectly heated <u>ENVELOPE :-</u> Glass - metallised <u>PROTOTYPE :-</u> V872			<u>MARKING</u> See K1001/4	
<u>RATING</u>		<u>Note</u>	<u>BASE</u> MO	
Heater Voltage (V) Heater Current (A) Max. Anode Voltage (V) Max. Screen Voltage (V) Max. Screen Dissipation (W) Mutual Conductance (mA/V)	6.3 0.63 250 250 1.5 4.0		<u>Pin</u>	<u>Electrode</u>
<u>CAPACITANCES (pF)</u> Cae Cge Cag (max.)	5.7 11.0 0.006	A	1 2 3 4 5 6 7 8 T.C.	Heater Cathode Anode Screen grid Suppressor grid Metallising Pin omitted Heater Control grid
<u>NOTE</u> A :- at $V_a = V_{g2} = 200 \text{ V}$, $V_{g1} = -4 \text{ V}$.			<u>TOP CAP</u> See K1001/AI/D.51	
			<u>DIMENSIONS</u> See K1001/AI/D1	
			(mm)	Min Max
			A	- 98
			B	- 37

To be performed in addition to those applicable in K1001

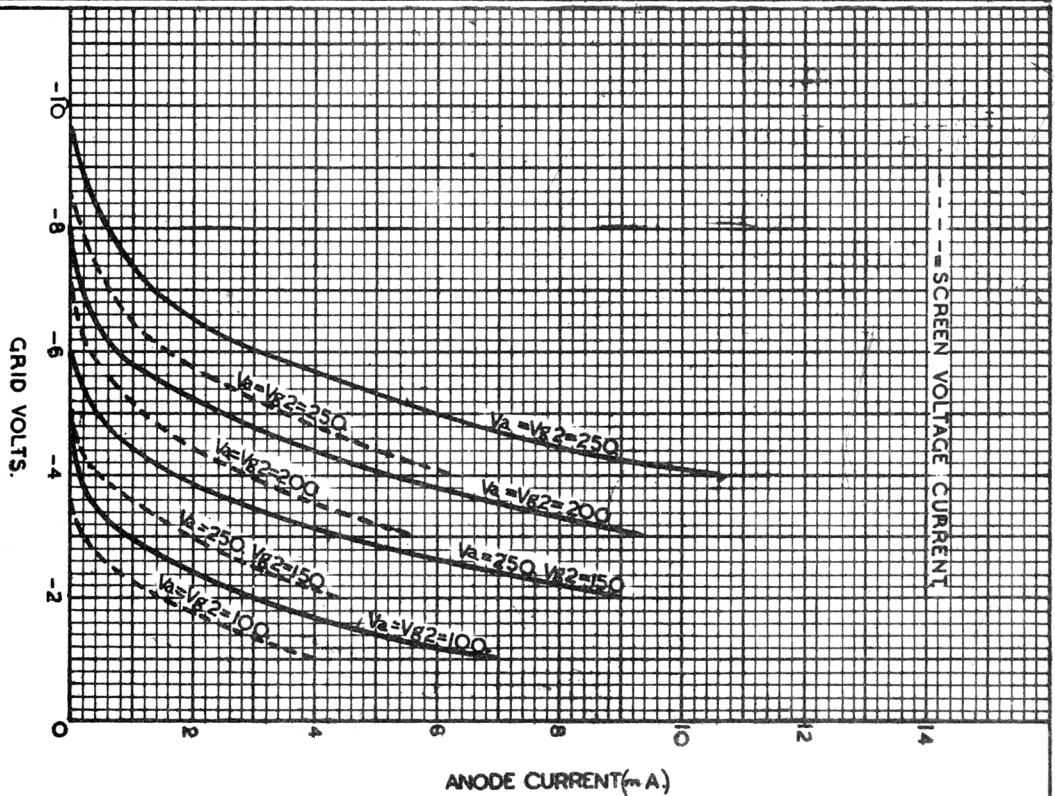
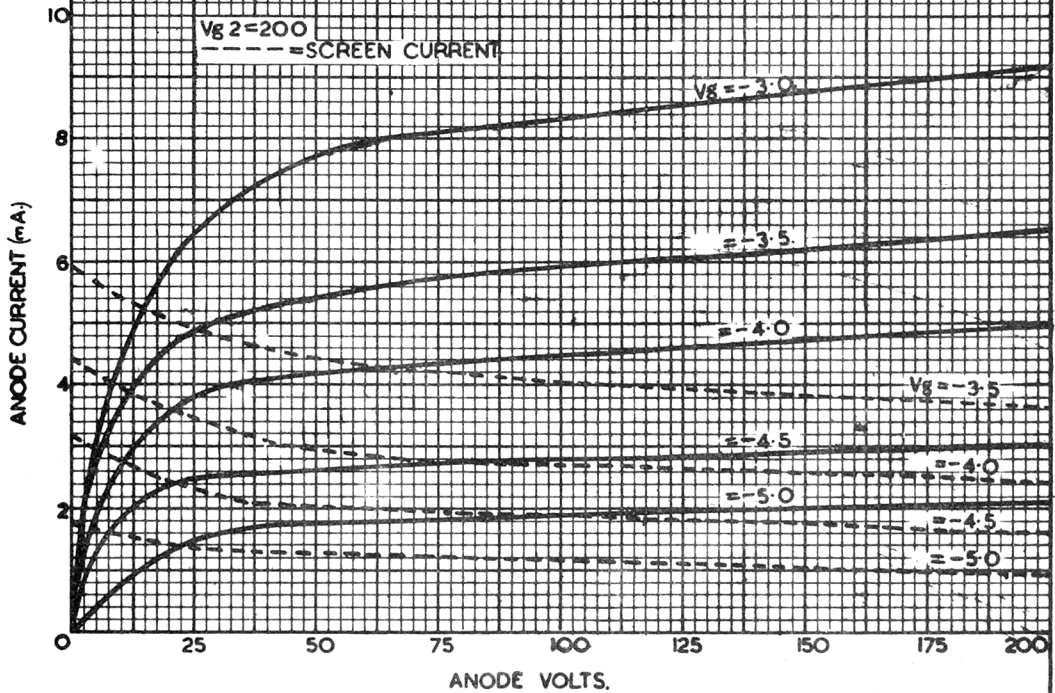
	Test Conditions						Test	Limits		No. Tested
								Min.	Max.	
a	See K1001/AIII						<u>Capacitances (pf)</u>			
	Links to H.P.	Links to L.P.	Links to E.				C _{ae}	4.9	6.5	6 per week
	3	1,2,4,5, 6,8	7,9,10, TC1, TC2				C _{ge}	10.0	12.0	
	TC1	1,2,4,5, 6,8	3,7,9,10, TC2				C _{ag}	-	0.006	Type Approval
b	V _h	V _a	V _{g2}	V _{g3}	V _{g1}	I _c (mA)				
	6.3	-	-	-	-	-	I _h (A)	0.57	0.70	100% or S
c	6.3	200	200	0	-	12	V _{g1} (V)	-2.95	-5.3	100%
d	6.3	200	200	0	-	12	I _{g2} (mA)	4.1	6.2	100% or S
e	6.3	200	200	0	-	12	Reverse I _g (μA)	-	0.5	100%
f	6.3	200	200	0	1 V +ve to(c)	-	I _c rise (mA)	5.5	10.0	100%
g	6.3	200	200	-	-	12 with V _{g3} = 0	V _{g3} to give $\frac{dI_a}{dV_{g1}} = 100/\mu A/V$ (V)	-5.5	-11.5	100%





DATA

VR116



VR116.

DATA.

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SUPPRESSOR VOLTS.

