

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>Notes</u>	<u>BASE</u> MO			
Heater Voltage (V) 6.3 Heater Current (A) 0.63 Max. Anode Voltage (V) 250 Max. Screen Voltage (V) 250 Max. Screen Dissipation (W) 1.5 Mutual Conductance (mA/V) 4.0	A		<u>Pin</u>	<u>Electrode</u>		
<u>CAPACITANCES</u> (pF) Cae 5.7 Cge 11.0 Cag (max.) 0.006			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
	See K1001/AIII							Capacitances (pf)	Min.	
a	Links to H.P.	Links to L.P.	Links to E.				Cae		4.9	6.5
	3	1,2,4,5,6,8	7,9,10, TC1, TC2							
	TC1	1,2,4,5,6,8	3,7,9,10, TC2							
						Cag	-	0.006	Type Approval	
b	Vh	Va	Vg2	Vg3	Vg1	Ic(mA)	Ih (A)	0.57	0.70	100% or S
	6.3	-	-	-	-	-				
c	6.3	200	200	0	-	12	Vg1 (V)	-2.95	-5.3	100%
d	6.3	200	200	0	-	12	Ig2 (mA)	4.1	6.2	100% or S
e	6.3	200	200	0	-	12	Reverse Ig (µA)	-	0.5	100%
f	6.3	200	200	0	1 V +ve to(c)	-	Ic rise (mA)	5.5	10.0	100%
g	6.3	200	200	-	-	12 with Vg3=0	Vg3 to give $\frac{dI_a}{dV_{g1}} = 100/\mu A/V (V)$	-5.5	-11.5	100%