

Specification MAP/CV1053/Issue 8 Dated 2.10.47. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - H.F. Pentode, variable- mu			<u>MARKING</u> See K1001/4.		
<u>CATHODE</u> - Indirectly heated.					
<u>ENVELOPE</u> - Glass - metallised.					
<u>PROTOTYPE</u> - EF39.					
<u>RATING</u>			See K1001/A1/D2 M Dimensions (iv) applies		
			<u>BASE</u> I.O.		
			Pin Electrode		
Heater Voltage (V) 6.3			1 Metallising		
Heater Current (A) 0.2			2 Heater		
Max. Anode Voltage (V) 300			3 Anode		
Max. Screen Voltage (V) 300			4 Screen grid		
Max. Anode Dissipation (W) 2.0			5 Suppressor grid		
Max. Screen Dissipation (W) 0.3			6 Pin omitted		
Mutual Conductance (1) (mA/V) 2.2			7 Heater		
(2) 0.0045			8 Cathode		
Anode Impedance (1) (MΩ) 1.25			TC Control grid		
(2) " >10					
Max. Operating Frequency (Mc/s) 20			<u>TOP CAP</u> See K1001/A1/D5.2		
<u>CAPACITANCES (pF)</u>			<u>DIMENSIONS</u> See K1001/A1/D1.		
C _{as} 7.9			Dimension Min. Max.		
C _{gs} 5.6			A (mm) 95 100		
C _{ag} (max.) 0.003			B (mm) - 32		
			C (mm) - 30		
<u>NOTES</u>					
A. At V _a = 250 V, V _{g2} = 100 V, V _{g1} = -2.5 V, I _a = 6 mA.					
B. At V _a = V _{g2} = 250 V, V _{g1} = -49 V.					

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
							Min.	Max.	
a	See K1001/ATIII					Capacitances(pF)			6 per week
	Links to H.P.	Links to L.P	Links to E.						
	3	1 2,4,5 7,8.	TC1,6,9, 10,TC2.	C _{ae}	7 0 9.4				
	TC1	1,2,4,5,7, 8.	3,6,9,10 TC2.	C _{ge}	4.4 6.4				
	3	TC1	1,2,4,5, 6,7,8,9, 10 TC2.	C _{ag}	- 0.003	T.A.			
b	V _h	V _a	V _{g2}	V _{g3}	I _a (mA)	I _h (A)	0.18	0.22	100% or S
	6.3	0	0	0	0				
c	6.3	250	100	0	6	V _{g1} (V)	-1.9	-3.1	100%
d	6.3	250	100	0	6	I _{g2} (mA)	1.1	2.0	100% or S
e	6.3	250	100	0	6	g _m (mA/V)	1.8	2.6	100%
Peak grid swing ± 0.5 V. max.									
f	6.3	250	100	0	6	Reverse I _g (μA)	-	0.5	100%
g	6.3	200	200	0	0 μA	V _{g1} (V)	-35	-52.5	100%