

Specification MAP/CV1074/Issue 4 Dated 30.8.46. 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> : Tetrode <u>CATHODE</u> : Indirectly heated <u>ENVELOPE</u> : Glass-unmetallised <u>PROTOTYPE</u> : KTZ 63.			<u>MARKING</u> See K1001/4	
<u>RATING</u>		<u>Note</u>	<u>BASE</u> I.O.	
Heater Voltage (V) 6.3 Heater Current (A) 0.3 Max. Anode Voltage (V) 300 Max. Screen Voltage (V) 125 Max. Anode Dissipation (W) 0.75 Max. Screen Dissipation (W) 0.1 Screen Current (mA) 0.5 Anode Current (mA) 2.0 Mutual Conductance (mA/V) 1.25			Pin	Electrode
			1	Internal Shield
			2	Heater
			3	Anode
			4	Screen grid
			5	No connection
			6	Pin omitted
			7	Heater
			8	Cathode
			T.C.	Control Grid
<u>CAPACITANCES (pf)</u>			<u>TOP CAP</u> See K1001/AI/D5.2	
Cag (max.)	0.007			
Cge	4.7			
Cae	7.5			
<u>NOTE</u> A. $V_a = 250V.$, $V_{g2} = 100V.$, $V_{g1} = -3.0V.$			<u>DIMENSIONS</u> See K1001/AI/D1.	
			Dimension	Min. Max.
			A (mm)	- 121
			B (mm)	- 40

To be performed in addition to those applicable in
K1001

	Test Conditions				Test	Limits		No. Tested
	See K1001/AIII					Min.	Max.	
a	Links to H.P.	Links to L.P.	Links to E.	<u>CAPACITANCES</u> <u>(pF)</u>				
				Cag	-	0.007	T.A.	
	TC1	1,2,4,5, 7,8	3,9,10, TC2	Cge	3.5	5.5	6 per week	
	3	1,2,4,5, 7,8.	9,10, TC1,TC2	Cae	5.5	9.5		
b	Vh	Va	Vg2	Vg1				
	6.3	0	0	0	Ih (A)	0.27	0.33	100% or S
c	6.3	250	100	-3	Ia (mA)	1.5	2.5	100%
d	6.3	250	100	-3	Ig2 (mA)	0.3	0.5	100% or S
e	6.3	250	100	-3	gm (mA/V)	0.9	1.65	100%
f	6.3	250	100	-3	Reverse Ig ₁ (μ A)	-	1.0	100%
g	6.3	250	100	-6	Ia tail(μ A)	-	300	100%