

Specification MAP/CV1124/Issue 5
 Dated 5.10.46.
 To be read in conjunction with K1001

SECURITY

Specification
 RESTRICTED

Valve
 RESTRICTED

→ Indicates a change

TYPE OF VALVE - H.F. Pentode

CATHODE - Indirectly Heated

ENVELOPE - Glass-unmetallised

PROTOTYPE - MS/PEN

MARKING

See K1001/4

BASE

B7

RATING

Heater Voltage (V)	4.0
Heater Current (A)	1.0
Max. Anode Voltage (V)	250
Max. Screen Voltage (V)	125
Max. Anode Dissipation (W)	3
Max. Screen Dissipation (W)	1
Max. Grid Resistance (MΩ)	2
Mutual Conductance (mA/V)	2.8
Anode Impedance (MΩ)	0.6

Note

A
 A

CAPACITANCES (pF)

C _{ae}	5.0
C _{ge}	12.5
C _{ag} (max.)	0.02

Pin	Electrode
-----	-----------

1	No connection
2	Control grid
3	Suppressor grid
4	Heater
5	Heater
6	Cathode
7	Screen grid
TC	Anode

TOP CAP

See K1001/AI/D5.1

DIMENSIONS

See K1001/AI/D1

Dimension	Min.	Max.
A (mm)	120	126
B (mm)	-	45

NOTES

A. $V_a = 250 \text{ V.}$, $V_{g2} = 125 \text{ V.}$,
 $V_{g1} = -2.0 \text{ V.}$

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> Cae Cge Cag	4.0	6.0	6 per week
	Links to H.P.	Links to L.P.	Links to E.							
	TC1	1,3,4,5, 6,7.	2,8,9, 10,TC2							
	2	1,3,4,5, 6,7.	8,9,10, TC1,TC2							
	TC1	2	1,3,4, 5,6,7, 8,9,10, TC2.	-	.02	T.A.				
	Vh	Va	Vg2	Vg3	Vg1	Ia(mA)				
b	4.0	0	0	0	0	-	Ih (A)	0.9	1.1	100% or S
c	4.0	200	100	0	-1.5	-	Ia (mA)	3.2	6.4	100%
d	4.0	200	100	0	-1.5	-	gm (mA/V)	2.2	3.4	100%
e	4.0	200	100	0	-1.5	-	Ig2 (mA)	-	2.0	100% or S
f	4.0	200	100	0	-1.5	-	Reverse Ig (uA)	-	1.0	100%
g	4.0	200	100	0	-6	-	Ia (mA)	-	0.2	100%
h	4.0	200	100	-	-1.5	0.1	Vg3 (V)	-25	-50	5% (20)