

Specification MAP/CV1503/Issue 4
Dated 17.1.47.
To be read in conjunction with K1001.

SECURITY

Specification
RESTRICTED

Valve
RESTRICTED

—————> Indicates a change

TYPE OF VALVE - Output Tetrode (Pentode
Characteristic)

CATHODE - Indirectly heated

BULB - Glass - Unmetallised

PROTOTYPE - KT 33C

MARKING

See K1001/4

RATINGNote

Heater Voltage	(V)	26.0	A
Heater Current	(A)	0.3	A
Max. Anode Voltage	(V)	250	
Max. Screen Voltage	(V)	200	
Max. Anode Dissipation	(W)	13.0	
Max. Screen Dissipation	(W)	2.8	
Mutual Conductance	(mA/V)	10.0	B

BASEI.O.PinElectrode

1	Heater centre tap
2	Heater
3	Anode
4	Screen grid
5	Control grid
6	Pin omitted
7	Heater
8	Cathode

NOTES

A. The two halves of the heater may be connected in parallel to give a rating of 13.0 V, 0.6 A.

B. $V_a = V_{g2} = 175V$, $V_{g1} = -9.5V$,
 $I_a = 70mA$.

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A (mm)	-	124
B (mm)	-	45

To be performed in addition to those applicable in K1001

Test Conditions						Test	Limits		No.
							Min.	Max.	Tested
For the following tests, the two halves of the heater shall be connected in parallel, and if the valve is of pentode construction, the suppressor grid shall be connected to the cathode.									
	I _h	V _a	V _{g2}	V _{g1}	I _a (mA)				
a	0.6	0	0	0	-	V _h (V)	11.4	14.6	100% or S
b	0.6	175	175	-	70	V _{g1} (V)	-6.35	-12.65	100%
c	0.6	175	175	-	70	I _{g2} (mA)	-	16.0	100% or S
d	0.6	175	175	-	70	Reverse I _{g1} (μA)	-	2.5	100%
e	0.6	175	175	-	70	g _m (mA/V)	7.0	13.0	100%
Peak grid swing ±1V. max.									
f	0.6	24	24	-1.5	-	I _a (mA)	4.0	10.0	100% or S