

Specification MAP/CV1565/Issue 7
Dated 2.10.46.
To be read in conjunction with K1001.

<u>SECURITY</u>	
<u>Specification</u>	<u>Valve</u>
RESTRICTED	RESTRICTED

—————> Indicates a change

TYPE OF VALVE - Triode
CATHODE - Directly heated -
Thoriated or coated
ENVELOPE - Glass - unmetallised
PROTOTYPE - Cossor 230XP

MARKING
See K1001/4

RATING

Filament Voltage (V)	2.0	Note A A A B
Filament Current (A)	0.3	
Max. Anode Voltage (V)	150	
Mutual Conductance (mA/V)	3.0	
Amplification Factor	4.5	
Anode Impedance (Ω)	1500	
Average Anode Current (mA)	22.0	B
Optimum Load (Ω)	3500	

Note

BASE

B4

Pin	Electrode
1	Anode
2	Grid
3	Filament negative
4	Filament positive

DIMENSIONS

See K1001/AI/D1.

NOTES

- A. At $V_a = 100$, $V_g = 0$.
B. At $V_a = 150$, $V_g = -18.0$

Dimension	Min.	Max.
A (mm)	-	104
B (mm)	40.5	43.0
C (mm)	-	36

This valve is obsolete and this specification is for record purposes only.

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vf	Va	Vg		Min.	Max.	
a	2.0	0	0	If (A)	0.27	0.33	100% or S
b	2.0	150	-18.0	Ia (mA)	16.0	28.0	100%
c	2.0	150	-16.0 to -20.0	gm (mA/V)	1.8	2.7	100%
d	2.0	150	-18.0	μ	3.8	5.2	100% or S
e	See K1001/5.8.2.			Microphonic Noise Test			100%