

Specification MAP/CV366/Issue 2
 Dated 14.7.47.
 To be read in conjunction with
 K1001, ignoring clause 5.3.

SECURITY

Specification

Valve

~~RESTRICTED~~
Unclass

UNCLASSIFIED

—————> Indicates a change

TYPE OF VALVE - Power Pentode

CATHODE - Indirectly heated

ENVELOPE - Glass

PROTOTYPE - vX8016

MARKING

See K1001/4

RATING

Heater Voltage	(V)	6.3	A
Heater Current	(A)	0.7	
Max. Anode Voltage	(V)	300	
Max. Screen Voltage	(V)	300	
Mutual Conductance	(mA/V)	11.0	
Max. Anode Dissipation	(W)	9.0	
Max. Screen Dissipation	(W)	1.5	

Note

BASE

B8G

Pin

Electrode

1	Heater
2	Anode
3	Screen grid
4	No connection
5	No connection
6	Control grid
7	Cathode, Suppressor Grid & Internal Shield
8	Heater

NOTE

A. Measured at $V_a = 300$
 $V_{g2} = 150$
 $V_{g1} = -3.0$

DIMENSIONS

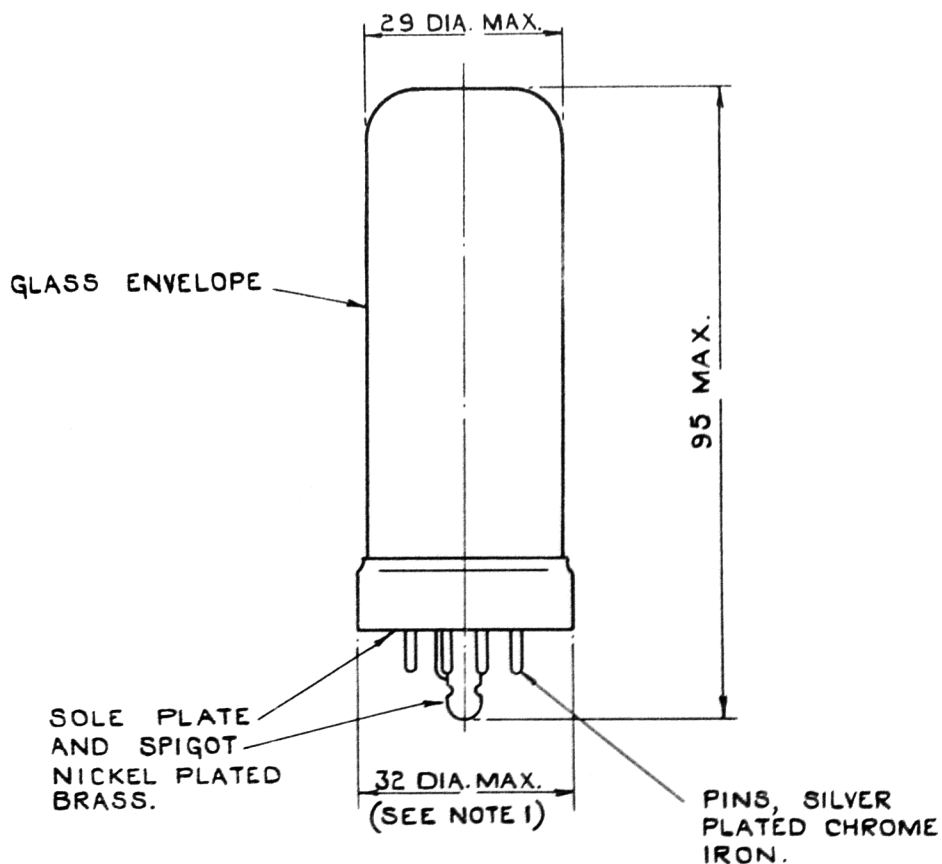
See drawing on page 3

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested	Notes
	Vh	Va	Vg2	Vg1		Min.	Max.		
a	6.3	0	0	0	Ih (A)	0.65	0.75	100% or S	
b	6.3	300	150	-3.0	Ia (mA)	20.0	40.0	100%	1
c	6.3	300	150	-3.0	gm (mA/V)	9.2	14.2	100%	1
d	6.3	300	150	-3.0	Ig2 (mA)	4.0	9.0	100%	1
e	6.3	300	150	-3.0	Reverse Igl (μ A)	-	2.0	100%	1 & 2
f	6.3	300	150	-20.0	Ia Tail (μ A)	-	100	100%	
g	6.3	20	20	20	Ic (mA)	180	-	100%	
h	6.3	Cathode 150V. +ve to heater			H/C Leakage (μ A)	-	80	100%	3

NOTES

1. Test voltages applied only for sufficient time to obtain steady reading.
2. Series limiting resistance of 0.1 M Ω
3. Series limiting resistance of 1.0 M Ω



NOTES :-

1. MAX. DIMENSION "S" IN K1001 A IV D.12. DOES NOT APPLY.
2. DIMENSIONS IN MILLIMETRES.