MINISTRY OF SUPPLY (DCD)

VALVE ELECTRONIC **CV366**

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

→ Indicates a change

TYPE OF VALVE - Power Pentode

CATHODE - Indirectly heated

ENVELOPE - Glass

PROTOTYPE - VX8016

MARKING

See K1001/4

RATING

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

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 Va = 300
Vg2 = 150
Vg1 = -3.0

DIMENSIONS

See drawing on page 3

CV366

TESTS

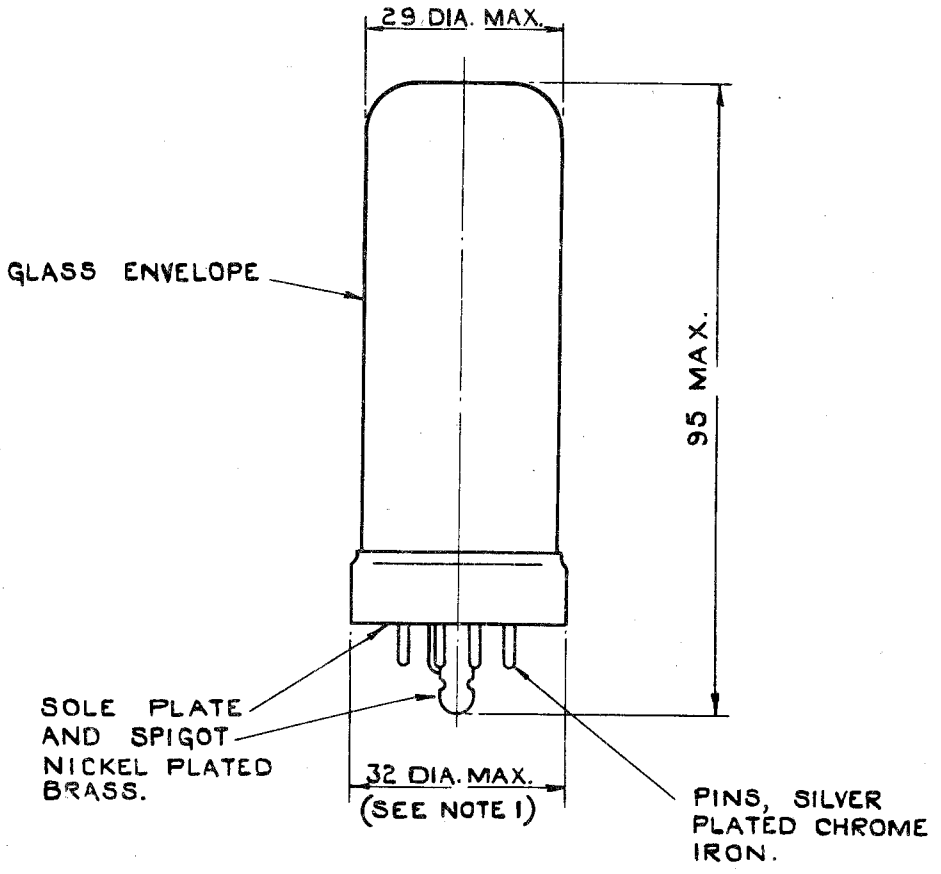
To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested	Notes
	Vh	Va	Vg2	Vgl		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 (μA)	-	2.0	100%	1 & 2
f	6.3	300	150	-20.0	Ia Tail (μA)	-	100	100%	
g	6.3	20	20	20	Ic (mA)	180	-	100%	
h	6.3	Cathode 150V. +ve to heater			H/C Leakage (μA)	-	80	100%	3

NOTES

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

CV366



NOTES :-

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