

MINISTRY OF SUPPLY D.L.R.D.(A)/R.A.E.

Specification MOSA/CV466 Issue 5 - Dated 16.10.54 To be read in conjunction with B.S.1409 and K1001	<u>SECURITY</u> <u>Specification</u> UNCLASSIFIED <u>Valve</u> UNCLASSIFIED
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—————→ Indicates a change

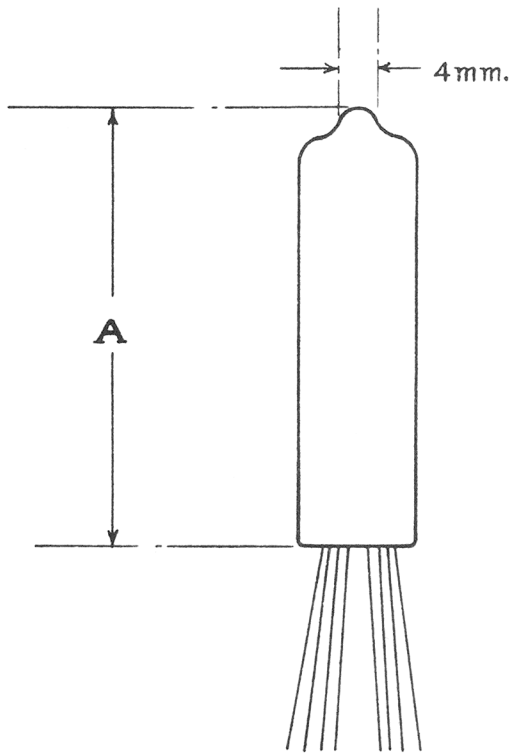
TYPE OF VALVE - H.F. Pentode, Sharp cut off				<u>MARKING</u>		
CATHODE - Indirectly heated				See K1001/4		
ENVELOPE - Unmetallised Glass				CV number, T.A. letters,		
PROTOTYPE - VX8046				Factory and Date code,		
				only required.		
<u>RATING</u>				<u>BASE</u>		
				B8D.		
				<u>CONNECTIONS</u>		

To be performed in addition to those applicable in K.1001

Test Conditions							Test	Limits		No. Tested	Note				
								Min.	Max.						
See K.1001/A III							Capacitance (pF)			6	per week	1			
a	Links to H.P.		Links to L.P.		Links to E								C in	4.0	6.0
	1		2,3,5,6,7, Sh.		4,8								C out	3.5	5.5
	4,8		2,3,5,6,7, Sh.		1								Ca,g1		0.15
b	Vh	Va	Vg3	Vg2	Ia	Vg1	Ih (mA)	180	220	100% or S					
	6.3	-	-	-	-	-									
c	6.3	100	0	100	7.5 mA	Adjust	Vg1 (V)	-1.4	-2.6	100%					
d	6.3	100	0	100	7.5 mA	-	gm (mA/V)	4.5	6.5	100%					
e	6.3	100	0	100	7.5 mA	-	Ig2 (mA)	2.1	2.9	100%					
f	6.3	100	0	100	7.5 mA	-	Reverse Ig (μA)	0	0.5	100%					
g	6.3	^{See Note 2} 100	0	100	-	-10V	Ia (μA)	-	20	100%	2				
h	6.3	100	Ad-just	100	100 μA	-	g3 out off (V)	30	60	20	3				
j	6.3	100	0	100	7.5 mA	-	inner μ	23	34	per week					
Vibration and Microphony								To be determined							

NOTES

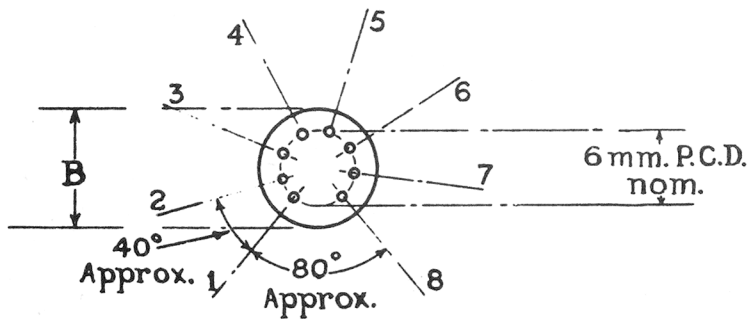
- Capacities measured with shield round valve. Connections refer to valve pins. All should be measured at RF.
- With an anode supply voltage of 100V applied through a 1 Megohm protective resistance in meter circuit. to the anode.
- Peak grid swing $\pm 0.5V$. Vg2 adjusted to maintain constant Ia



BULB STRAIGHTNESS TEST

The finished valve must pass through a cylindrical gauge of length at least equal to that of the bulb. I.D. of cylinder = 0.4 inch.

THE LEADS SHALL BE FLEXIBLE 25-27 S.W.G. TINNED WIRE AT LEAST 38 mm. IN LENGTH



ELECTRONIC VALVE SPECIFICATIONS

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AMENDMENT No.1

Page 1

Dimensions Table

Amend the table to read
as follows:

Dimensions	Min.	Max.
A m.m.	-	38.00
B m.m.	9.3	10.16

T.V.C. Office for
Director,
Royal Aircraft Establishment.

April, 1957

N.87690/R

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RAB

ELECTRONIC VALVE SPECIFICATIONS

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AMENDMENT NO. 2

Page 2

Test "g". Ia

Under "Va" column delete 100 V and substitute
"See Note 2".

Amend Note 2 to read:

With an anode supply voltage of 100V applied
through a 1 M Ω protective resistance to the anode.

Director,
Royal Aircraft Establishment.

6th August, 1957

N.5055/R

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4/8/57