

CV2165

Specification MOS(A)/CV2165 Issue 3 Dated 10.5.57 To be read in conjunction with K.1001	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	UNCLASSIFIED	UNCLASSIFIED
SECURITY							
Specification	Valve						
UNCLASSIFIED	UNCLASSIFIED						

—————→ Indicates a change

TYPE OF VALVE - Tetrode Amplifier CATHODE - Directly Heated ENVELOPE - Glass - unmetallised			<u>MARKING</u> See K1001/4 <u>BASE</u> B5A	
<u>RATING</u> Filament Voltage (Blue) (V) 1.6 Filament Voltage (Green) (V) 1.4		Note A A	<u>CONNECTIONS</u>	
			Pin	Electrode
			1	Anode a
			2	Screen g2
			3	Filament f
			4	Filament f
			5	Grid g1
			<u>DIMENSIONS</u>	
			See Drawing on Page 3	
			Dimensions (mm)	Min. Max. A ~ 37.0 B 9.66 10.16
			<u>MOUNTING POSITION</u> Any	

NOTES

A. The valves will be divided into two groups:-

Blue and Green

Vf 1.5 - 1.7 volts Vf 1.3 - 1.5 volts

and marked with colour on the anode lead.

B. All valves to be marked with a batch number.

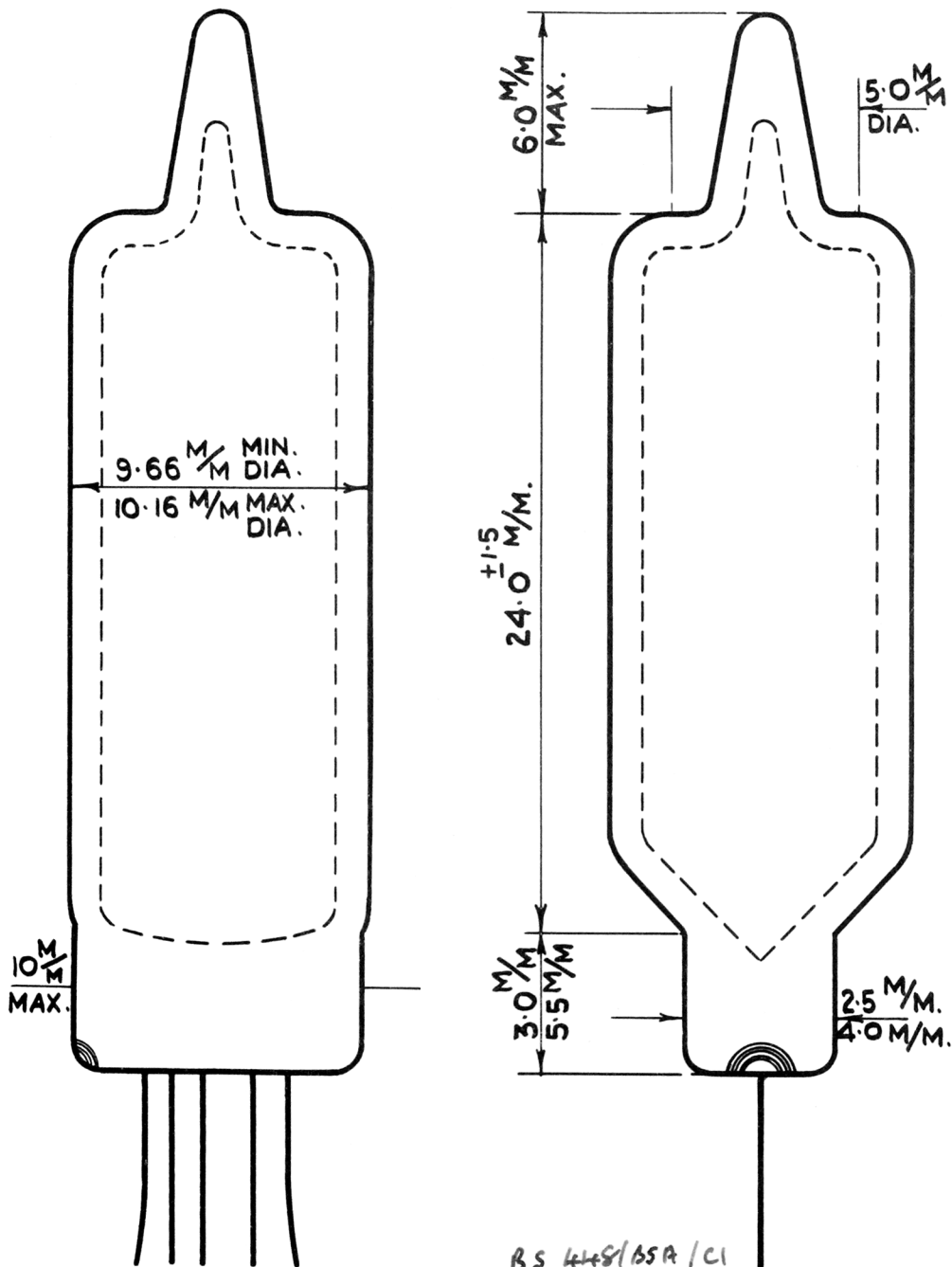
TESTS

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

	Test Conditions				Test	Limits		No. Tested	Note
						Min.	Max.		
	If (mA)	Va (V)	Vg2 (V)	Vg (V)					
a	148	-	-	-	Vf (V)	1.3	1.7	100%	
b	148	130	100	0	Ia (mA)	2.3	3.5	100%	
c	148	130	100	-3	Ia (mA)	.35	1.0	100%	
d	148	130	100	-5	Ia (μA)	10	-	100%	
e	148	130	100	-10	Ia tail (μA)	-	10	100%	
f	Vf 1.5	140	140	-3	Ig1 (μA)	-	1.0	100%	
g	0	140	0	0	Leakage. Anode to all (μA)	-	.75	100%	
h	0	0	0	140	Leakage. Grid to all (μA)	-	.75	100%	

NOTES

1. The valves are required to have a long life in storage and shall meet the requirements of these tests after a holding period of not less than one month from the date of initial test.
2. The valves are required for embodiment into receivers and for fairly short period operation. They are not required for replacement or normal long life.



BASE TO B.S. 448/C1.

ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION CV.2165

ISSUE 3 DATED 10.5.57

AMENDMENT No. 1.

Page 3 Outline Drawing

Amend "Base to BS.448/C1" to read "BS.448/B5A/C1".

Director,
Royal Aircraft Establishment

✓ AAS

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