

Specification MOS(A)/CV2165 Issue 3 Dated 10.9.57 To be read in conjunction with K.1001	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> 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>				<u>CONNECTIONS</u>		
Filament Voltage (Blue)	(V)	1.6	A	Pin	Electrode	
Filament Voltage (Green)	(V)	1.4	A	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		
<u>NOTES</u>						
A. The valves will be divided into two groups:- <div style="display: flex; justify-content: space-around; margin: 5px 0;"> <span><u>Blue</u></span> <span>and</span> <span><u>Green</u></span> </div> 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.						

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## TESTS

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

	Test Conditions				Test	Limits		No. Tested	Note
	If (mA)	Va (V)	Vg2 (V)	Vg (V)		Min.	Max.		
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 (mA)	10	-	100%	
e	148	130	100	-10	Ia tail (mA)	-	10	100%	
f	Vf 1.5	140	140	-3	Igt (mA)	-	1.0	100%	
g	0	140	0	0	Leakage. Anode to all (mA)	-	.75	100%	
h	0	0	0	140	Leakage. Grid to all (mA)	-	.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.

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