

Specification No. MOS/CV266/2 Dated : 25.9.45. To be read in conjunction with K1001	<u>SECURITY</u> <u>Specification</u> Valve SECRET SECRET
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→ Indicates a change

<u>TYPE OF VALVE</u> : High mu triode <u>CATHODE</u> : Directly heated <u>ENVELOPE</u> : Glass <u>COMMERCIAL PROTOTYPE</u> : XO/HG.	<u>MARKING</u> As in K1001/4, also Lot No. Colour Code (Note B)
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<u>RATING</u>		Note	<u>BASE</u>
Filament Voltage (V)	1.2		None
Filament Current (max)(A)	0.15		
Max. Anode Voltage	100		<u>CONNECTIONS</u> See diagram page 3
Mutual Conductance (mA/V)	0.7	A	
Amplification Factor	35	A	
Anode Impedance (Ω)	50,000	A	<u>DIMENSIONS</u> See K1001/A1/D1

<u>NOTES</u>	Dimension	Min.	Max.
	L mm	-	32
	B mm	-	10
	Pip length	-	6

A. Measured at $V_a = 100$, $V_g = 0$.
 B. A GREEN mark shall appear adjacent to the anode lead and the numbering shall be in GREEN.

Special Requirements

- The valves are required for embodiment into receivers and for short period operation. They are not required for replacement or normal life.
- The valves are required to have a long life in storage and shall meet the requirements of this specification after a holding period of not less than one month from the date of the initial test.
- Owing to the mechanical requirements of the valves no modifications, however minor, shall be made to the valves without notification to the type-approving authority, who may call for samples at any time for comparison with the original samples for which type approval has been given.

CV266

TESTS

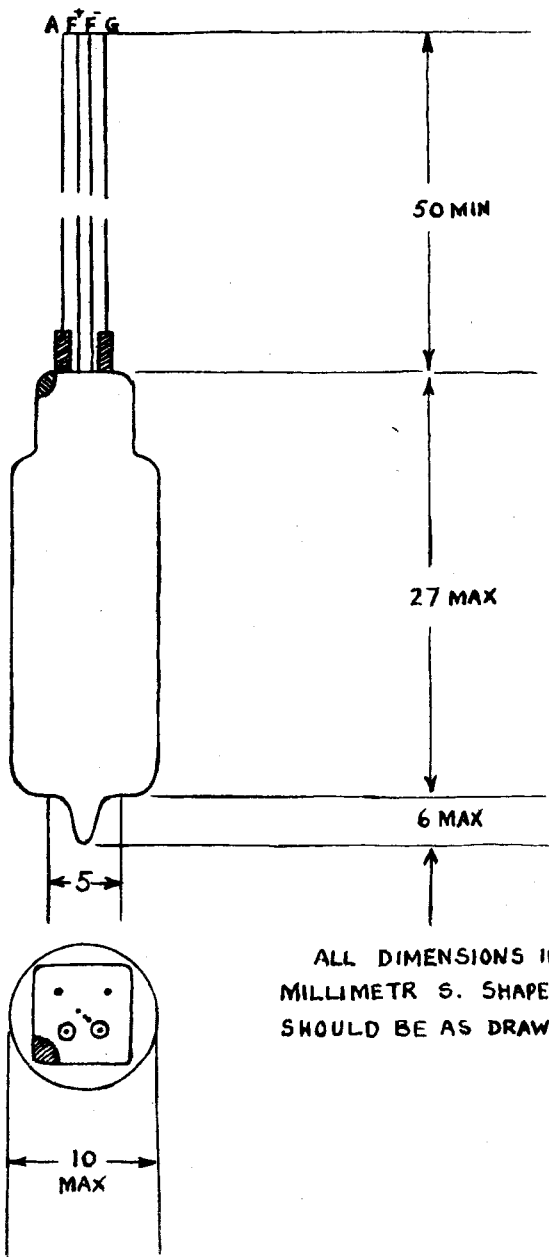
To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested	Note
	Vf	Va	Vg			Min.	Max.		
a	1.1	-	-		IF (A)	0.128	0.138	100%	
b	0.75	90	-0.75	Ra = 0.5M Ω Rg = 1.0M Ω	Gain	21.0	26.5	100%	1
c	1.1	90	-1.1	Ra = 0.5M Ω Rg = 1.0M Ω	Gain	21.0	26.5	100%	1
d	0	140 0	0 140)		Leakage (μ A) Anode to all. Grid to all.	-	0.15	100%	
e	1.2	140	-2		Rev. Ig (μ A)	-	0.5	100%	2

Notes

1. This test shall be carried out in an approved circuit which shall incorporate an 0.22 M Ω resistor inserted in series with the applied signal and between the 1.0 M Ω resistor and the grid.

2. This test shall be carried out with a maximum time delay of 0.5 secs.



COLOUR CODE
MARK NEXT TO
ANODE LEAD

ALL DIMENSIONS IN
MILLIMETERS. SHAPE
SHOULD BE AS DRAWN