

Specification MOSA/CV345 Issue 6 Dated 16.11.53 To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

—————> Indicates a change

<u>TYP E OF VALVE</u> - Bean Tetrode <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass - unmetallised <u>PROTOTYPE</u> - VI6044		<u>MARKING</u> See K1001/4																					
<u>RATING</u>		<u>BASE</u> I.O.	<u>CONNECTIONS</u>																				
Heater Voltage (V) 6.3 Heater Current (A) 1.6 Max. Operating Anode Voltage (V) 800 A Max. Operating Screen Voltage (V) 300 A Max. Anode Dissipation (W) 35.0 A Max. Screen Dissipation (W) 5.0 A		Note																					
			<table border="1"> <thead> <tr> <th>Pin</th> <th>Electrode</th> </tr> </thead> <tbody> <tr><td>1</td><td>No connection</td></tr> <tr><td>2</td><td>Heater</td></tr> <tr><td>3</td><td>No connection</td></tr> <tr><td>4</td><td>Screen grid</td></tr> <tr><td>5</td><td>Control grid</td></tr> <tr><td>6</td><td>No connection</td></tr> <tr><td>7</td><td>Heater</td></tr> <tr><td>8</td><td>Cathode</td></tr> <tr><td>T.C.</td><td>Anode</td></tr> </tbody> </table>	Pin	Electrode	1	No connection	2	Heater	3	No connection	4	Screen grid	5	Control grid	6	No connection	7	Heater	8	Cathode	T.C.	Anode
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			<u>TOP GAP</u> See K1001/AI/D5.2																				
			<u>DIMENSIONS</u> See K1001/AI/D1																				
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NOTES

- A. Absolute maximum values.
- B. Mounting Position. Vertical with base down. If run horizontally the major axis of the grids must be vertical $\pm 30^\circ$.
 Viewing the valve from the bulb end, the angle between the key and the major axis of the grids measured in a clockwise direction is 80° nominal.

To be performed in addition to those applicable in K1001

	Test Conditions					Test	Limits		No. Tested
	Vh	Va	Vg2	Vg1	Ia		Min.	Max.	
a	6.3	0	0	0	0	Ih (A)	1.5	1.8	100% or S
b	6.3	150	150	-	200	Vg1 (V)	-6.5	-13.0	100%
c	6.3	150	150	-	200	Reverse Ig1 (μ A)	-	2.0	100%
d	6.3	150	150	-	200	Ig2 (mA)	-	19.5	100% or S
e	6.3	150	150	-	200	Ia rise (mA)	60 60	95.0	100% 20 per week
		Vg made more positive by 6V.							
f	6.3	150	150	-60	-	Reverse Ig1 (μ A)	-	4.0	100%
g	6.3	150	150	-60	-	Ia (mA)	-	5.0	100% or S
h	6.3	50	150	As in clause 'b'	-	Ig2 (mA) (See Note 1.)	-	4.0	100% or S
j	6.3	See K1001/5.3. Except that test voltage = 350V.				Ih-C (μ A)	-	4.0	100%
k	6.3	100	100	0	-	Ia (mA)	164	264	100% or S

NOTE

1. Test Voltages applied only for sufficient time to obtain true reading.