

Specification MOSA/CV345

Issue 6 Dated 16.11.53

To be read in conjunction with K1001.

SECURITYSpecification

UNCLASSIFIED

Valve

UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Beam TetrodeCATHODE - Indirectly heatedENVELOPE - Glass - unmetallisedPROTOTYPE - VX6044MARKING

See K1001/4

RATING

Note

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

BASE

I.O.

CONNECTIONS

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

TOP CAP

See K1001/AI/D5.2

DIMENSIONS

See K1001/AI/D1

Dimension

Min.

Max.

A

(mm)

-

150

B

(mm)

-

56

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.)	-	40	100% or S
j	6.3	See K1001/5.3. Except that test voltage = 350V.				Ih-C (μ A)	-	40	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.