

MINISTRY OF SUPPLY (S.R.D.E)

Specification MOS/CV1359/Issue 4

Dated:- 2.9.46

To be read in conjunction with K1001.

SECURITYSpecification

Restricted

Valve

Unclassified

—→ indicates a change

TYPE OF VALVE:- Tuning indicatorCATHODE:- Indirectly heatedENVELOPE:- Glass-ummatalisedPROTOTYPE:- ME4.1MARKING

See K1001/4

RATING

Heater voltage	(V)	4.0
Heater current	(A)	0.45
Max. anode voltage	(V)	250
Max. target voltage	(V)	250
Grid voltage for 0° shadow angle (approx)	(V)	22.5

Note

A

BASE

MO

Pin	Electrode
1	Heater
2	Cathode
3	Anode
4	No connection
5	Control grid
6	No connection
7	Target
8	Heater

DIMENSIONS

See K1001/AI/D1

NOTES

- A. Measured with anode load resistance of 1 megohm.

This valve type is obsolete and this specification is for record purposes only.

Dimensions

Min.

Max.

A mm	-	90
B mm	-	28.5
L mm	-	77

To be performed in addition to those applicable in K1001

	Test conditions				Test	Limits		No. tested	Notes
						Min.	Max.		
a	Vh	Va	Vt	Vg	Ih (A)	0.425	0.475	10% (50)	
	4.0	-	-	-					
b	4.0	250	250	-4	Ia (mA)	4.25	12.0	100%	
c	4.0	250	250	-4	It (uA)	-	4.0	100%	
d	4.0	250	250	Read	Vg (V) (for zero shadow angle)	-16	-26	100%	1 & 2
e	4.0	250	250	-15	Pattern must be open	-	-	100%	1
f	4.0	250	250	-14	Pattern must be open more than in clause e	-	-	100%	1

NOTES

1. Anode volts applied through 1 megohm.
2. Base orientation: Line of pattern closure to be within $\pm 8^\circ$ of a line at right angles to the key.