

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

Specification: MOS/CV65/Issue 4

Dated:- 5.9.47

To be read in conjunction with K1001

SECURITYSpecificationValve

Unclassified

UNCLASS:

→ indicates a change

TYPE OF VALVE:- Output Pentode
CATHODE:- Directly Heated
ENVELOPE:- Glass Unmetallised
PROTOTYPE:- Pen.25

MARKING

See K1001/4

RATING

No

Filament voltage	(V)	2.0	
Filament current	(A)	0.15	
Max. anode voltage	(V)	150	
Max. screen voltage	(V)	150	
Anode current	(mA)	5.0	A
Screen current	(mA)	1.0	A
Mutual conductance	(mA/V)	4.5	B

BASE
MO 6-Pin

Pin	Electrode
1	Filament -ve
2	Omitted
3	Anode
4	Screen grid
5	Control grid
6	No connection
7	Omitted
8	Filament +ve

NOTES

- A. Measured at $V_a = 120$, $V_{g2} = 120$,
 $V_{g1} = -3.6$
 B. Measured at $V_a = 100$, $V_{g2} = 100$,
 $V_{g1} = 0$.

DIMENSIONS

See K1001/AI/D1

Dimension	Min.	Max.
A mm.	80	89
B mm.	-	33

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No.
						Min.	Max.	Tested
	Vf	Va	Vg2	Vg1				
a	2.0	-	-	-	I _f (A)	0.14	0.172	100% or S
b	2.0	120	120	-3.6	I _a (mA)	3.3	6.6	100%
c	2.0	120	120	-3.6	I _{g2} (mA)	-	1.7	1% (20)
d	2.0	120	120	-3.6 to 0	I _a rise (mA)	12.0	-	100%
e	2.0	120	120	-3.6	Rev. I _g (μA)	-	any 1.0	100%
f	2.0	120	120	-11	I _a cut-off (mA)	-	0.1	1% (20)

SPECIFICATION MOS/CV.65/Issue 4
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AMENDMENT No. 1

Page 2 Clause e Reverse Ig.

Delete 0.1 μ A
Insert 1.0 μ A

July 1961

Signals Research and Development
Establishment

N 72373