

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

(42)

Specification MOS/CV609/Issue 4 Dated:- 2.7.46 To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

→ indicates a change

<u>TYPE OF VALVE:-</u> Output pentode <u>CATHODE:-</u> Indirectly heated <u>ENVELOPE:-</u> Glass-umetalised <u>PROTOTYPE:-</u> 42		<u>MARKING</u> See K1001/4 Additional marking :- 42	
<u>RATING</u>		<u>BASE</u> US M6	
		Note	
Heater voltage (V)	6.3	Pin	Electrode
Heater current (A)	0.65	1	Heater
Max. anode voltage (V)	375	2	Anode
Max. screen voltage (V)	285	3	Screen grid
Mutual conductance(mA/V)	2.5	4	Control grid
		5	Cathode and suppressor
		6	Heater
<u>NOTES</u>		<u>DIMENSIONS</u>	
A. Measured at $V_a = 250$, $V_{g2} = 250$, $V_{g1} = -16.5$.		See K1001/AI/D1	
		Dimension	Min. Max.
		A mm	- 119
		B mm	- 46

TESTS

To be performed in addition to those applicable in K1001

	Test conditions				Test	Limits		No. tested
	Vh	Va	Vg2	Vg1		Min.	Max.	
a	6.3	-	-	-	Ih (A)	0.615	0.685	100% or 8
b	6.3	250	250	-16.5	Ia (mA)	23	45	100%
c	6.3	250	250	-16.5	Ig2 (mA)	4.0	9.0	100%
d	6.3	250	250	-16.5	gm (mA/V)	1.9	-	100%
e	6.3	250	250	.16.5	Rev Ig1 (uA)	-	2.5	100%