

MINISTRY OF SUPPLY - D.L.R.D.(A)/R.A.E.

Specification MOSA/CV.1101 Issue 6 Dated 13.1.54 To be read in conjunction with K.1001.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	UNCLASSIFIED	UNCLASSIFIED
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Specification	Valve						
UNCLASSIFIED	UNCLASSIFIED						

→ Indicates a change

TYPE OF VALVE - Double diode triode CATHODE - Indirectly heated ENVELOPE - Glass, unmetallised PROTOTYPE - MILD6 (VR101)			<u>MARKING</u> See K.1001/4	
<u>RATING</u>			See K1001/A1/D1 M Dimension <u>BASE</u> (ii) applies I.O.	
			<u>CONNECTIONS</u>	
			Pin	Electrode
Heater Voltage (V) 6.3 Heater Current (A) 0.65 Max. Triode Anode Voltage (V) 250.0 Triode Anode Current (mA) 11.5 Mutual Conductance (mA/V) 3.0			1	No connection
			2	Heater
			3	Anode
			4	Diode II
			5	Diode I (See Note B)
			6	Pin omitted
			7	Heater
			8	Cathode
			T.C.	Control grid
			<u>PLUG TOP CAP</u> See K.1001/A1/D5.2	
			<u>DIMENSIONS</u> See K.1001/A1/D1	
			Dimension	Min. Max.
			A m.m.	106 114
			B m.m.	- 39
			C m.m.	- 30
			D m.m.	- 30

NOTES

- A. The valve shall be capable of satisfactory operation over a heater range of 5.7V to 7.5V.
- B. Diode I shall be the diode remote from the triode section.
- C. At $V_a = 200$, $V_g = -5$.

To be performed in addition to those applicable in K.1001

Test Conditions					Test	Limits		No. Tested	Note
						Min.	Max.		
a	Vh 6.3	Va 0	Vg 0	Vd 0	Ih (A)	0.6	0.7	100% or 8	
b	6.3	200	-5	0	Ia (mA)	6.6	16.4	100%	
c	6.3	200	-5	0	gm (mA/V)	2.2	3.8	100%	
		Peak grid swing ± 1.0V max.							
d	6.3	200	-5	0	Reverse Ig (μA)	-	1.2	100%	
e	6.3	0	0	+10	Id ₁ (mA)	0.8	-	100%	
f	6.3	0	0	+10	Id ₂ (mA)	3.5	-	100%	

NOTES