

Specification MOSA/CV1121 Issue 7 Dated 11.11.55 To be read in conjunction with B.S.448, B.S.1409 & K1001	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	UNCLASSIFIED	UNCLASSIFIED

—————> Indicates a change

TYPE OF VALVE - Gas filled Triode CATHODE - Indirectly heated ENVELOPE - Glass, metallised PROTOTYPE - T41	<u>MARKING</u> See K.1001/4																			
	<u>BASE</u> BS.448/MO																			
<p style="text-align: center;"><u>RATING</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Heater Voltage</td> <td style="width: 10%; text-align: center;">(V)</td> <td style="width: 40%;">4.0</td> </tr> <tr> <td>Heater Current</td> <td style="text-align: center;">(A)</td> <td>1.5</td> </tr> <tr> <td>Max. Anode Voltage</td> <td style="text-align: center;">(V)</td> <td>400</td> </tr> <tr> <td>Max. Peak Anode Current</td> <td style="text-align: center;">(mA)</td> <td>500</td> </tr> <tr> <td>Grid Control Ratio</td> <td></td> <td>20</td> </tr> <tr> <td>Max. Anode to Cathode Volt Drop</td> <td style="text-align: center;">(V)</td> <td>70</td> </tr> </table>	Heater Voltage	(V)	4.0	Heater Current	(A)	1.5	Max. Anode Voltage	(V)	400	Max. Peak Anode Current	(mA)	500	Grid Control Ratio		20	Max. Anode to Cathode Volt Drop	(V)	70	<u>CONNECTIONS</u>	
	Heater Voltage	(V)	4.0																	
	Heater Current	(A)	1.5																	
	Max. Anode Voltage	(V)	400																	
	Max. Peak Anode Current	(mA)	500																	
	Grid Control Ratio		20																	
	Max. Anode to Cathode Volt Drop	(V)	70																	
Note	Pin	Electrode																		
	1	h																		
	2	k																		
A	3	a																		
A	4	NG																		
	5	g																		
	6	M																		
A	7	NP																		
	8	h																		
	<u>DIMENSIONS</u> See K.1001/A1/D1																			
	<u>Dimensions</u>	<u>Min.</u>	<u>Max.</u>																	
	A mm	-	90																	
	B mm	-	32																	
	<u>MOUNTING POSITION</u>																			
	Any																			

NOTES

A. Absolute value.

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

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
Before the following tests are made the valves shall be pre-heated for a period of six minutes under the following conditions:- $V_h = 4.0$ , $V_a = V_g = 0$ , 50V D.C., between heater and cathode; the cathode being positive.								
	$V_h$	$V_a$	$V_g$	$I_a$ (mA)				
a	4.0	0	0	0	$I_h$ (A)	1.25	1.75	100% or 3
b	4.0	100	-20	-	Reverse $I_g$ ( $\mu A$ )	-	1.0	100%
c	4.0	100 through 1000 $\Omega$	Reduce $V_g$ until $I_a$ flows.		Striking Bias (V)	-3.6	-5.9	100%
d	3.5	Adjusted Applied through not less than 100 $\Omega$	0	100	ak voltage drop (V)	-	70.0	100%
e	4.0	0	0	-	hk leakage current ( $\mu A$ )	-	15.0	100%
Cathode 50V positive to negative heater terminal								