

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

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

—————→      Indicates a change

TYPE OF VALVE - Gas filled Triode			<u>MARKING</u>		
CATHODE - Indirectly heated			See K.1001/4		
ENVELOPE - Glass, metallised			<u>BASE</u>		
PROTOTYPE - T41			BS.448/MO		
<u>RATING</u>			Note	<u>CONNECTIONS</u>	
				Pin	Electrode
Heater Voltage (V) 4.0			A	1	h
Heater Current (A) 1.5				2	k
Max. Anode Voltage (V) 400				3	a
Max. Peak Anode Current (mA) 500				4	NC
Grid Control Ratio 20				5	g
Max. Anode to Cathode Volt Drop (V) 70				6	M
				7	NP
				8	h
				<u>DIMENSIONS</u>	
				See K.1001/A1/D1	
				Dimensions	Min. Max.
				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							