

Specification MOSA/CV475	<u>SECURITY</u>	
Issue 2 Dated 25. 1. 57.	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with BS1409 and K1001	UNCLASSIFIED	UNCLASSIFIED

—————> Indicates a change

TYPE OF VALVE - Subminiature Pentode Semi-remote cut off with flying leads CATHODE - Indirectly heated ENVELOPE - Glass, unmetallised PROTOTYPE - 5899		<u>MARKING</u>			
		See K1001/4 Additional Marking :- 5899			
<u>RATING</u> (All limiting values are absolute)		Note	<u>BASE</u> B8D		
Heater Voltage (V)	6.3	B	<u>CONNECTIONS</u>		
Heater Current (A)	0.15		Pin	Electrode	
Max. Operating Anode Voltage (V)	165		1	Grid g	
Max. Operating Screen Voltage (V)	155		2	Cathode, Supp. k+s	
Max. Anode Dissipation (W)	1.1		3	Heater h	
Max. Screen Dissipation (W)	0.55		4	Cathode Supp. k+s	
Max. Cathode Current (mA)	16.5		5	Anode a	
Mutual Conductance (mA/V)	4.5		6	Heater h	
Max. Heater-Cathode Voltage (V)	±200	7	Screen s		
		8	Cathode, supp. k+s		
<u>CAPACITANCE (pF)</u>			<u>DIMENSIONS</u> See K1001/A1/10		
C in (nom.)	4.3	A	Dimensions (m.m.)	Min.	Max.
C out (nom.)	3.4	A	A	-	35
Cag (max)	0.015	A	B	-	10.16
			D	25.8	28.8
			<u>MOUNTING POSITION</u> Any		
<u>NOTE</u>					
A. Measured with a close fitting metal screen					
B. At Va = Vg2 = 100V, Rk = 120 ohms.					

To be performed in addition to those applicable in K1001

Test Conditions						Test	Limits		No. Tested	Note
							Min.	Max.		
a	Measured on a 1 Mc/s bridge with valve mounted in a fully shielded holder. Valve screened.					<u>CAPACITANCE</u> (pF)				
						C in	3.8	4.8	6	
						C out	2.9	3.9	per	
						Cag	-	0.015	week	
	Vh	Va	Vg2	Vg1	Rk(Ω)					
b	6.3	-	-	-	-	Heater Current (A)	0.138	0.162	100% or S	
c	6.3	100	100	0	120	Anode Current (mA)	5.2	9.2	100%	
d	6.3	100	100	0	120	Screen Current (mA)	0.5	3.5	100%	
e	6.3	100	100	0	120	Reverse grid Current (μA)	-	0.3	100%	
f	6.3	100	100	0	120	Mutual Conductance (mA/V)	3.8	5.2	100%	
g	5.7	100	100	0	120	Mutual Conductance (mA/V)	3.5	-	20 per week	
h	6.3	100	100	0	120	Anode Resistance (kΩ)	75	-	20 per week	
j	6.3	100	100	-14	0	Mutual Conductance (μA/V)	1.0	75	20 per week	