

Specification MOSA/CV2212 Issue 3 Dated 12.6.1953 To be read in conjunction with K.1001	<u>SECURITY</u> <u>Specification</u> UNCLASSIFIED <u>Valve</u> UNCLASSIFIED
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—————> Indicates a change

TYPE OF VALVE - Double Triode				<u>MARKING</u>		
CATHODE - Indirectly Heated				See K.1001/4.		
ENVELOPE - Glass, Unmetallised				<u>BASE</u>		
PROTOTYPE - VX.7073				B9A.		
<u>RATING</u>			Note	<u>CONNECTIONS</u>		
				Pin	Electrode	
Heater Voltage	(V)	12.6	E	1	Anode (b)	
Heater Current	(A)	0.3	E	2	Grid (b)	
Max. Anode Voltage	(V)	300	C,D	3	Cathode (b)	
Max. Anode Dissipation	(W)	5	C,D	4	Heater	
Anode Current	(mA)	6	A,C	5	Heater	
Mutual Conductance	(mA/V)	2.3	A,C	6	Anode (a)	
Amplification Factor		32	A,C	7	Grid (a)	
	8			Cathode (a)		
	9			Heater Centre Tap		
<u>CAPACITANCES (pF)</u>				<u>DIMENSIONS (mm)</u>		
				See K.1001/A1/D1		
C _{ag}		2.1	B,C	Dimension	Min.	Max.
C _{ge}		2.3	B,C			
C _{ae(a)}		0.95	B	A mm	-	55.7
C _{ae(b)}		0.85	B	B mm	-	22.4
C _{aa}		1.0	B	L mm	-	49.2
				F mm	37.5	42.0
<u>NOTES</u>						
A. Measured at V _a = 250; V _g = -4.6.						
B. Measured without external shield.						
C. Each section.						
D. Absolute Maximum values.						
E. Centre Tapped Heater.						

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

Test Conditions				Test	Limits		No. Tested	Note
					Min.	Max.		
a	See K.1001/AlII. Measurement to be made in Adaptor Type 124, Ref. No. 10AD/9.			Cag(a) Cag(b) Cge(a) Cge(b) Cae(a) Cae(b) Caa	1.2	3.0	6	per week
	Links to H.P.	Links to L.P.	Links to E.					
	6	7	1,2,3,4,5,8,9,10,TC1,TC2					
	1	2	3,4,5,6,7,8,9,10,TC1,TC2					
	7	4,5,8,9	1,2,3,6,10,TC1,TC2					
	2	3,4,5,9	1,6,7,8,10,TC1,TC2					
	6	4,5,8,9	1,2,3,7,10,TC1,TC2					
	1	3,4,5,9	2,6,7,8,10,TC1,TC2					
	1	6	2,3,4,5,7,8,9,10,TC1,TC2					
b	Vh	Va	Vg	Ih (A)	0.55	0.65	100% or S	2
	6.3	0	0					
c	6.3	250	-4.6	Ia (mA)	3.5	8.5	100%	2,3
d	6.3	250	-10	Ia (μA)	-	500	100%	2,3
e	6.3	250	-4.6	Reverse Ig (μA)	-	-1.0	100%	2,3
f	6.3	250	-4.6	gm (mA/V)	1.7	3.0	100%	2,3
g	6.3	250	-4.6	μ	27	37	20 per week	2,3
h	6.3	25	25	Emission (mA)	35	-		2,3

NOTES

1. Measured without external shield.
2. Measured with heaters connected in parallel.
3. Test each section separately. All electrodes of section not under test to be connected to cathode of active section.