

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

—————> Indicates a change

TYPE OF VALVE - Double Triode CATHODE - Indirectly Heated ENVELOPE - Glass, Unmetallised PROTOTYPE - VX 7073				<u>MARKING</u> See K.1001/4.		
				<u>BASE</u> B9A.		
<u>RATING</u>				<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>		
C _{ag}	2.1	B,C	See K.1001/A1/D1			
C _{ge}	2.3	B,C				
C _{ae(a)}	0.95	B	Dimension	Min.	Max.	
C _{ae(b)}	0.85	B	A mm	-	55.7	
C _{aa}	1.0	B	B mm	-	22.4	
			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/AIII. Measurement to be made in Adaptor Type 124, Ref. No. 10AD/9.												
	Links to H.P.	Links to L.P.	Links to E.										
	6	7	1,2,3,4,5,8,9,10,TC1,TC2						Cag(a)	1.2	3.0	6	
	1	2	3,4,5,6,7,8,9,10,TC1,TC2						Cag(b)	1.2	3.0		
	7	4,5,8,9	1,2,3,6,10,TC1,TC2						Cge(a)	1.4	3.2		
	2	3,4,5,9	1,6,7,8,10,TC1,TC2						Cge(b)	1.4	3.2	per	1
	6	4,5,8,9	1,2,3,7,10,TC1,TC2						Cae(a)	0.5	1.4		
	1	3,4,5,9	2,6,7,8,10,TC1,TC2						Cae(b)	0.4	1.3	week	
1	6	2,3,4,5,7,8,9,10,TC1,TC2	Caa	0	2.0								
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	(μ A)	-	500	100%	2,3				
e	6.3	250	-4.6	Reverse Ig	(μ A)	-	-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				
<u>NOTES</u>													
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.													

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