

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

Specification MOSA/CV73. Issue 7 Dated 14.4.1954. To be read in conjunction with K1001 ignoring clauses - 5.2., 5.3.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	SECURITY		Specification	Valve	UNCLASSIFIED	UNCLASSIFIED
SECURITY							
Specification	Valve						
UNCLASSIFIED	UNCLASSIFIED						

—————> Indicates a change

TYPE OF VALVE - Output Tetrode (Aligned grids)				<u>MARKING</u> See K1001/4		
CATHODE - Indirectly Heated				<u>BASE</u> B.7.		
ENVELOPE - Glass, unmetallised.						
<u>RATING</u>				<u>CONNECTIONS</u>		
				<u>Note</u>		
Heater Voltage	(V)	4.2	A B	Pin	Electrode	
Heater Current	(A)	2.5		1	No connection	
<u>Series Modulator</u>				2	Control grid	
Max. Anode Voltage	(kV)	3.5		3	No connection	
Max. Screen Dissipation	(W)	0.9		4	Heater	
<u>Break Modulator</u>				5	Heater	
Max. Peak Anode Voltage	(kV)	12.5		6	Cathode and beam forming plates	
Max. Screen Dissipation	(W)	2.0		7	Screen grid	
Max. Anode Dissipation	(W)	10.0		T.C.	Anode	
Max. Screen Voltage	(kV)	0.7		<u>PLUG TOP CAP</u> See K1001/A1/D5.1		
Max. Grid Negative Bias	(kV)	0.7	<u>DIMENSIONS</u> See K1001/A1/D1			
Max. Grid to Screen Voltage	(kV)	1.2				
Max. Peak Cathode Current	(A)	3.5				
Mutual Conductance	(mA/V)	7.5				
				Dimension	Min.	Max.
				A (mm)	131	144
				B (mm)	53	55
				C (mm)	-	35.5
				D (mm)	39	44
				G (mm)	22.5	Mem.
				J (mm)	67	79
<u>NOTES</u>						
A. Under pulse conditions of approximately 10 μ seconds duration and 400:1 minimum off-on ratio.						
B. $V_a = V_{g2} = 200V$, $I_a = 40$ mA.						

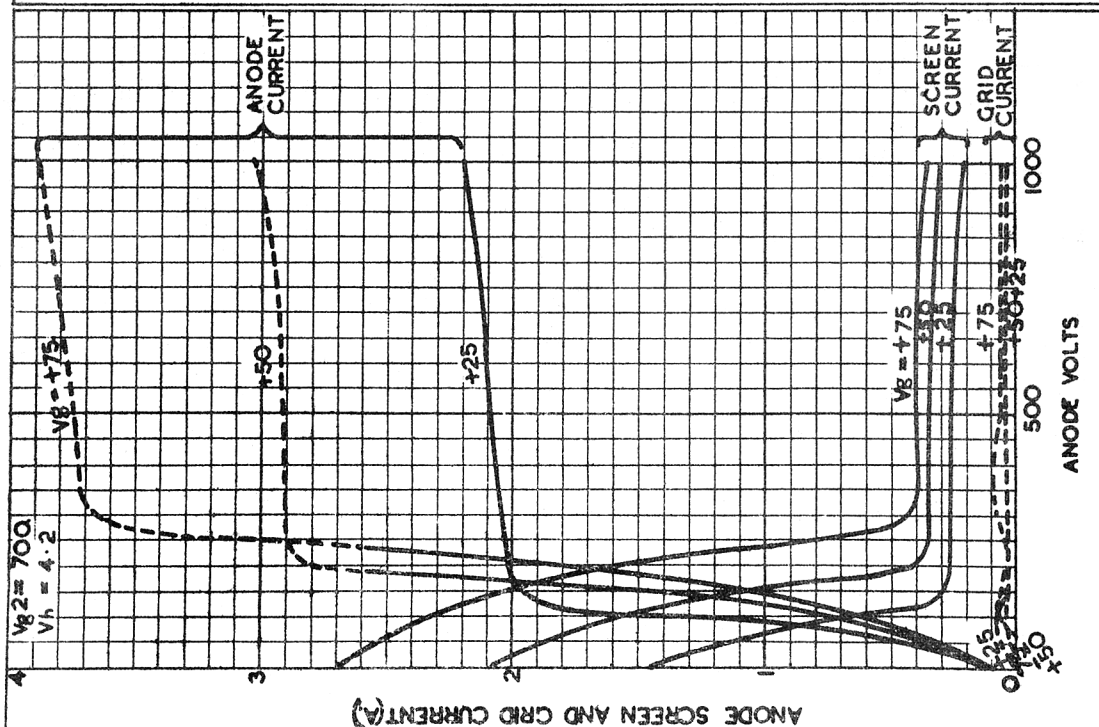
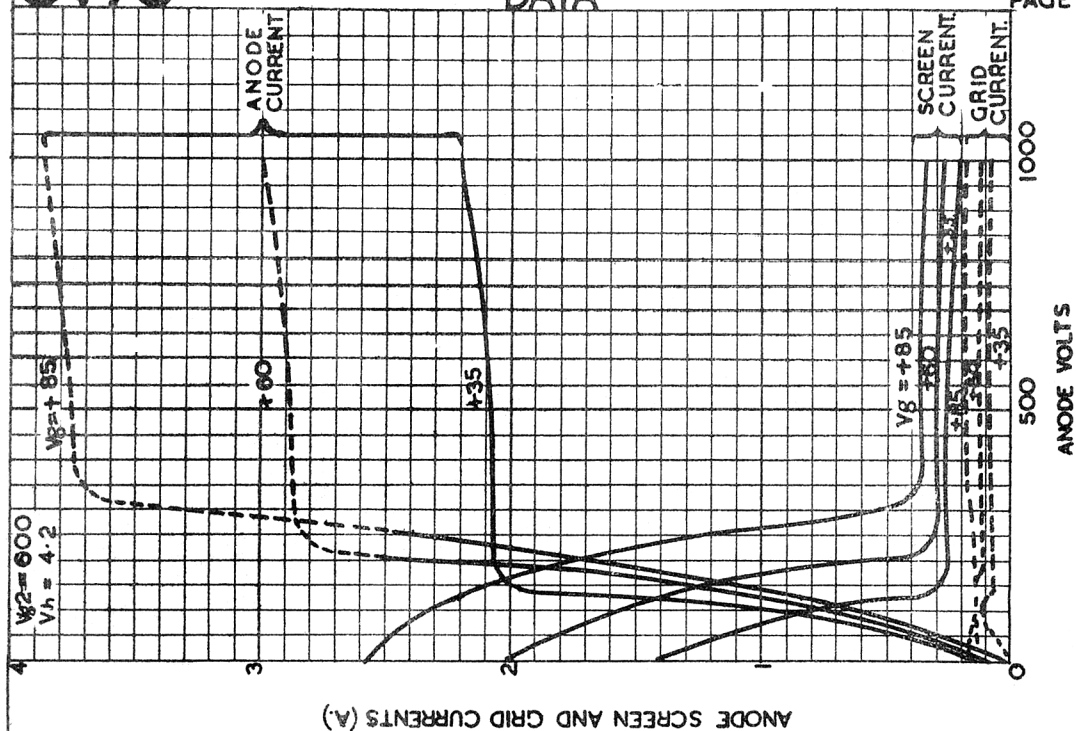
To be performed in addition to those applicable in K.1001

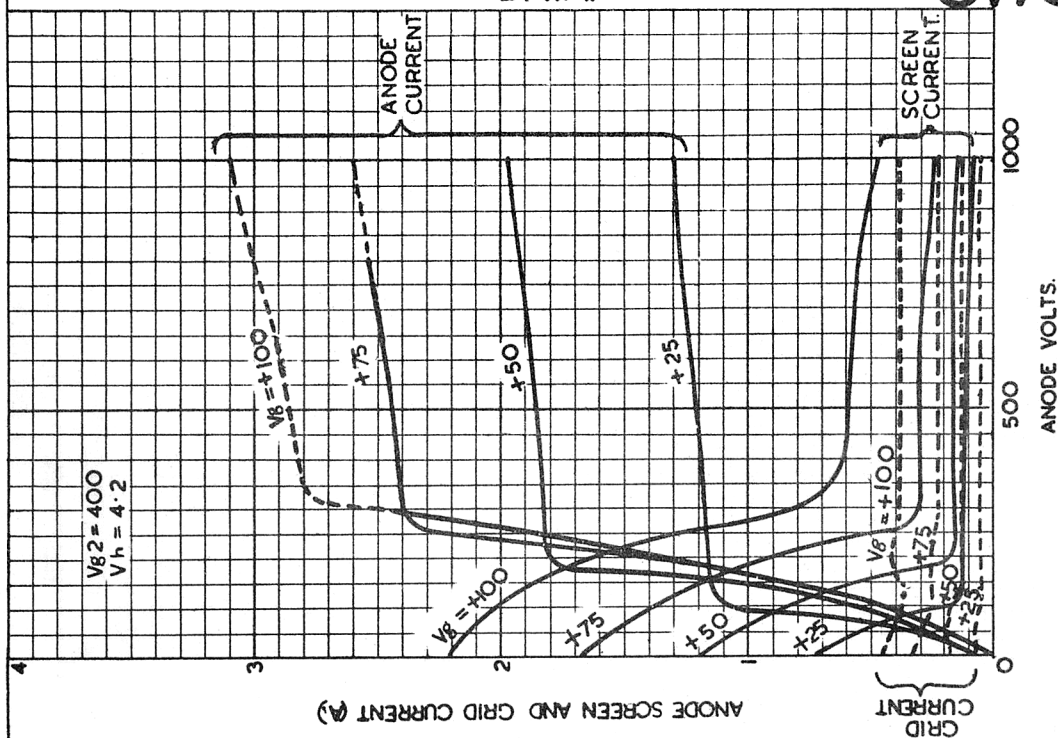
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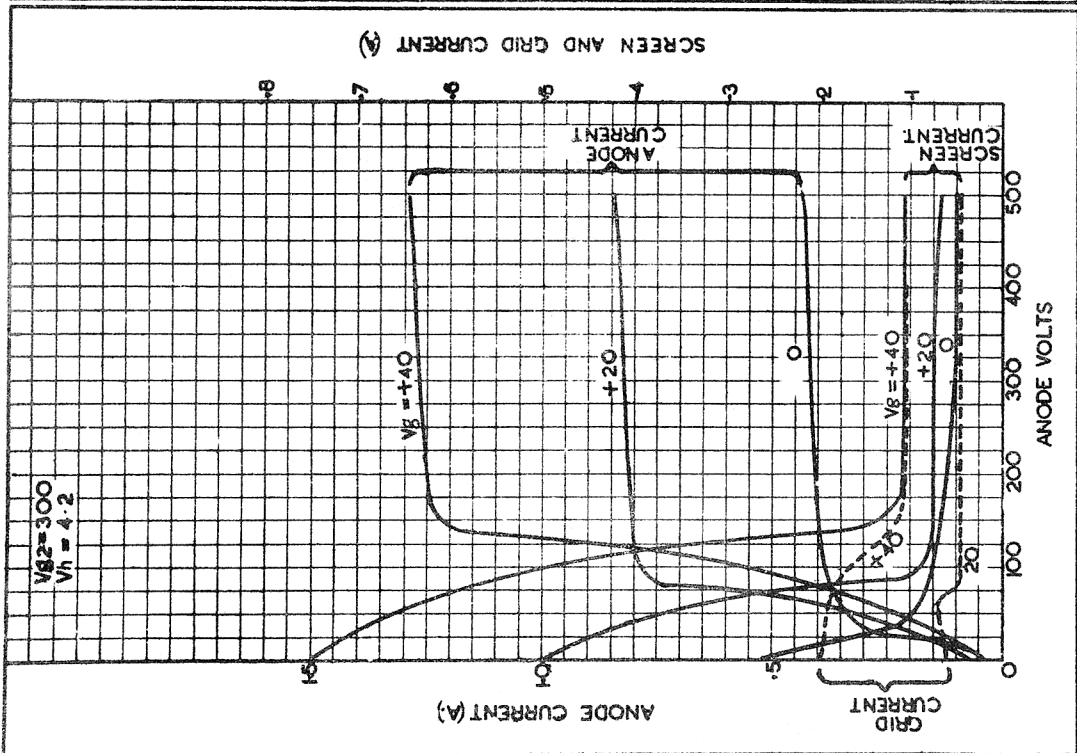
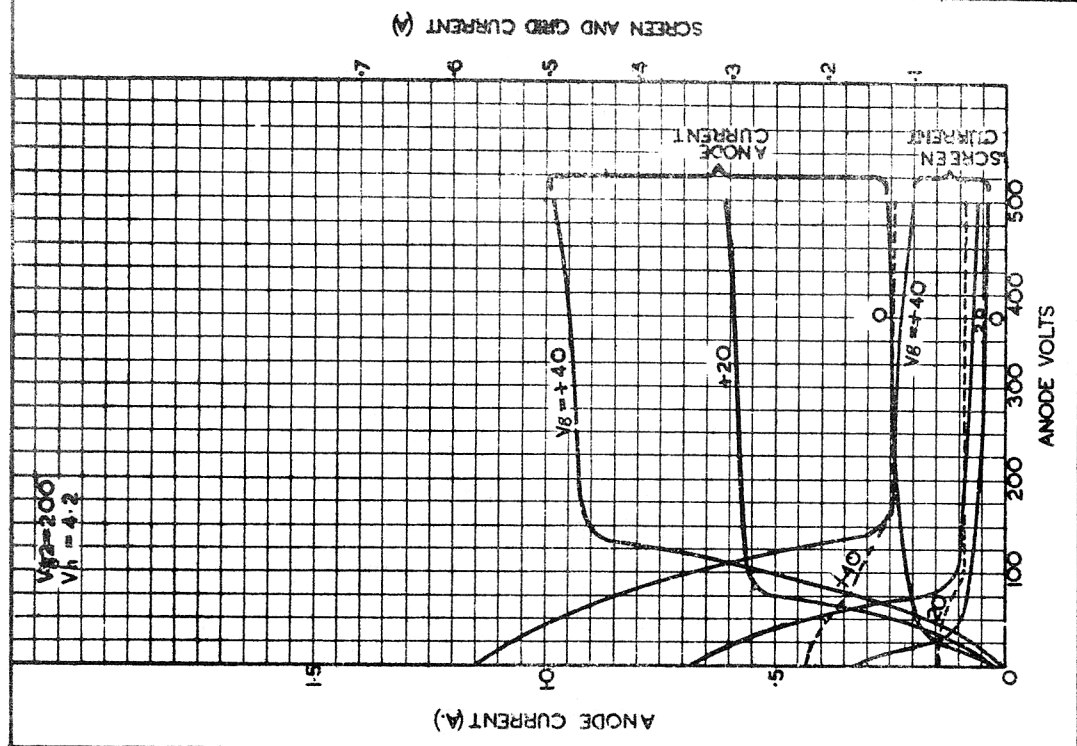
CV73

DATA

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NOTE:- THESE CURVES WERE TAKEN WITH A SHORT DURATION PULSE HAVING A 400-1 OFF TO ON PERIOD.