

Specification MOSA/CV27 Issue 6 Dated 16.11.1953 To be read in conjunction with K.1001,	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	UNCLASSIFIED	UNCLASSIFIED
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<u>Specification</u>	<u>Valve</u>						
UNCLASSIFIED	UNCLASSIFIED						

→ Indicates a change

TYPE OF VALVE - Triode			<u>MARKING</u>	
CATHODE - Directly heated, thoriated tungsten			See K.1001/4	
ENVELOPE - Glass, unmetallised			<u>BASE</u>	
PROTOTYPE - 4357A				
<u>RATING</u>			<u>CONNECTIONS AND DIMENSIONS</u>	
Filament Voltage	(V)	10	See page 3	
Filament Current	(A)	10		
Max. Anode Voltage	(kV)	4		
Max. Anode Dissipation	(W)	350		
Anode Resistance	(Ω)	5300		
Amplification Factor		32		
Mutual Conductance	(mA/V)	6		
<u>NOTE</u>				
A. With $V_a = 2kV$, $I_a = 170mA$.				

CV27

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

Test Conditions					Test	Limits		No. Tested	Note
	Vf (AC)	Vg ¹	Va (kV)	Ia (mA)		Min.	Max.		
a	10	-	-	-	If (A)	9.3	10.7	100%	
b	10	1 kV on grid and anode strapped. See K1001/A5		-	Peak I _o (A)	4.0	-	100%	
c	10	-	2.0	200	Vg (V)	-10	-30	100%	
d	10	Adjust Maintain for 2 minutes.	2.0	200	At the end of this period the reverse I _g shall not be rising. Reverse I _g at end of test (Value A) (μA)	-	60	100%	
e	11.5	Adjust Maintained for 2 minutes.	2.0	100	1. Reverse I _g (Value B) (μA) 2. Difference between A & B (μA)	-	50 10	100% 100%	
f	10	-	1.75	200	Difference in Vg from value in test (c) (V)	6.25	12.5	100%	

