

Specification MOSA/CV27 Issue 6 Dated 16.11.1953 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 - Triode CATHODE - Directly heated, thoriated tungsten ENVELOPE - Glass, unmetallised PROTOTYPE - 4357A	<u>MARKING</u> See K. 1001/4
	<u>BASE</u>

<u>RATING</u>		Note	<u>CONNECTIONS AND DIMENSIONS</u> See page 3
Filament Voltage	(V)	10	
Filament Current	(A)	10	
Max. Anode Voltage	(kV)	4	
Max. Anode Dissipation	(W)	350	
Anode Resistance	(Ω)	5300	A
Amplification Factor		32	A
Mutual Conductance	(mA/V)	6	A

NOTE

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 <sup>1</sup>	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 <sub>o</sub> (A)	4.0	-	100%	
c	10	-	2.0	200	V <sub>g</sub> (V)	-10	-30	100%	
d	10	Adjust	2.0	200	At the end of this period the reverse I <sub>g</sub> shall not be rising. Reverse I <sub>g</sub> at end of test (Value A) (μA)	-	60	100%	
e	11.5	Adjust	2.0	100	1. Reverse I <sub>g</sub> (Value B) (μA)	-	50	100%	
					2. Difference between A & B (μA)	-	10	100%	
f	10	-	1.75	200	Difference in V <sub>g</sub> from value in test (c) (V)	6.25	12.5	100%	

