

Specification : MOS/CV34/3 Dated 25.9.45. To be read in conjunction with K1001 ignoring clause 5.2.	SECURITY <u>Specification</u> <u>Valve</u> Restricted Restricted <i>Unclass</i> <i>Unclass</i>
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Indicates a change.

<u>TYPE OF VALVE</u> : Half wave rectifier		MARKING As in K1001/4
<u>CATHODE</u> : Directly heated		
<u>ENVELOPE</u> : Glass unmetallised		
<u>COMMERCIAL PROTOTYPE</u> : M. O.V.MR10		
RATING		<u>BASE</u> None
Filament Voltage (V)	12.5	<u>DIMENSIONS</u> <u>AND CONNECTIONS</u> See Drawing Page 3.
Filament Current (A)	24.0	
Max. Anode Voltage (kV) no load (RMS)	12.0	
Max. Peak Inverse Voltage no load (kV)	34	
Max. Peak Anode Current (mA)	1400	
<u>For Choke-input Filter Circuit</u>		
Max. mean D.C. Rect. Current (mA)	350	
Max. Reservoir Condenser (μF)	1	
Min Choke (H)	20	
<u>For Capacity-input Filter Circuit</u>		
Max. mean D.C. Rect. Current (mA)	230	
Max. Reservoir Condenser (μF)	1	
Min Limiting Resistance/Valve introduced externally (Ω)	1000	

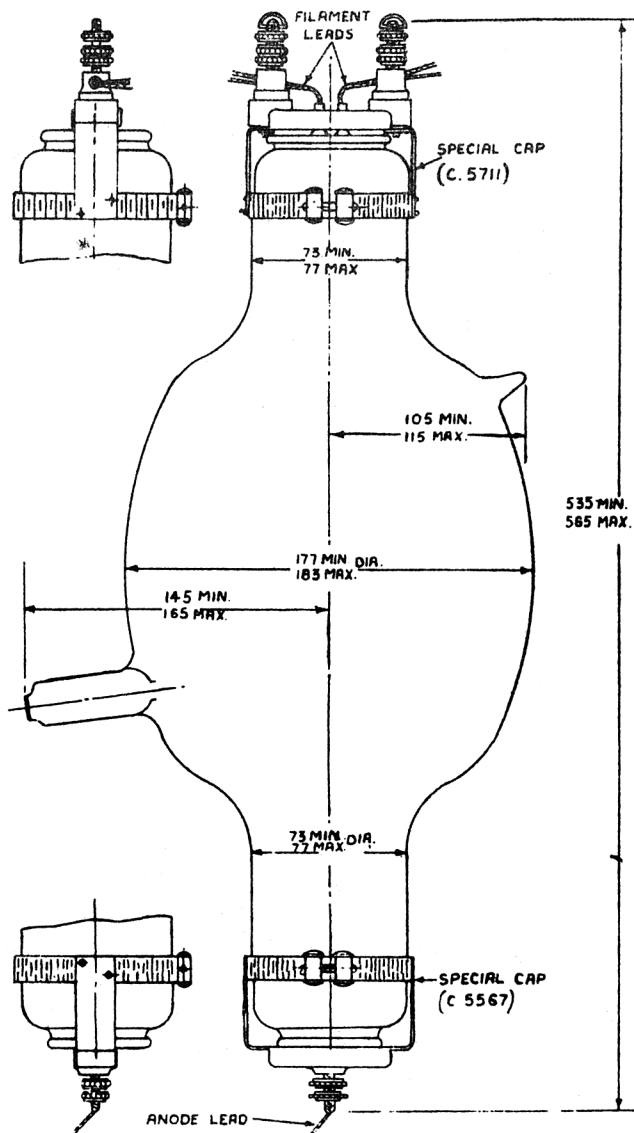
TESTS

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No Tested
					Min.	Max.	
a	Vf	Va	Ia (mA)	If (amps) Ia (mA) Dissipation Test (See Note 1)	23	25	100%
	12.5	-	-				
b	12.5	1500	-		1500	-	100%
c	Vary	2000	375		-	-	100%
d	12.5	275	-	Ra (ohms)	400	apprx	100%

NOTE

1. Anode current adjusted to 375mA by filament control and maintained for 30 minutes. Filament voltage must attain a steady value.



ALL DIMENSIONS IN MILLIMETRES