

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

<u>TYPE OF VALVE</u> : Half wave rectifier <u>CATHODE</u> : Directly heated <u>ENVELOPE</u> : Glass unmetallised <u>COMMERCIAL PROTOTYPE</u> : M.O.V. MR10		<u>MARKING</u> As in K1001/4
<u>RATING</u>		<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	<u>DIAMETER</u> <u>AND CONNECTIONS</u> See Drawing Page 3.
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	<u>DIAMETER</u> <u>AND CONNECTIONS</u> See Drawing Page 3.
Max. Reservoir Condenser (μ F)	1	
Min. Choke (H)	20	
<u>For Capacity-input Filter Circuit</u>		<u>DIAMETER</u> <u>AND CONNECTIONS</u> See Drawing Page 3.
Max. mean D.C. Rect. Current (mA)	230	
Max. Reservoir Condenser (μ F)	1	
Min. Limiting Resistance/Valve introduced externally (Ω)	1000	

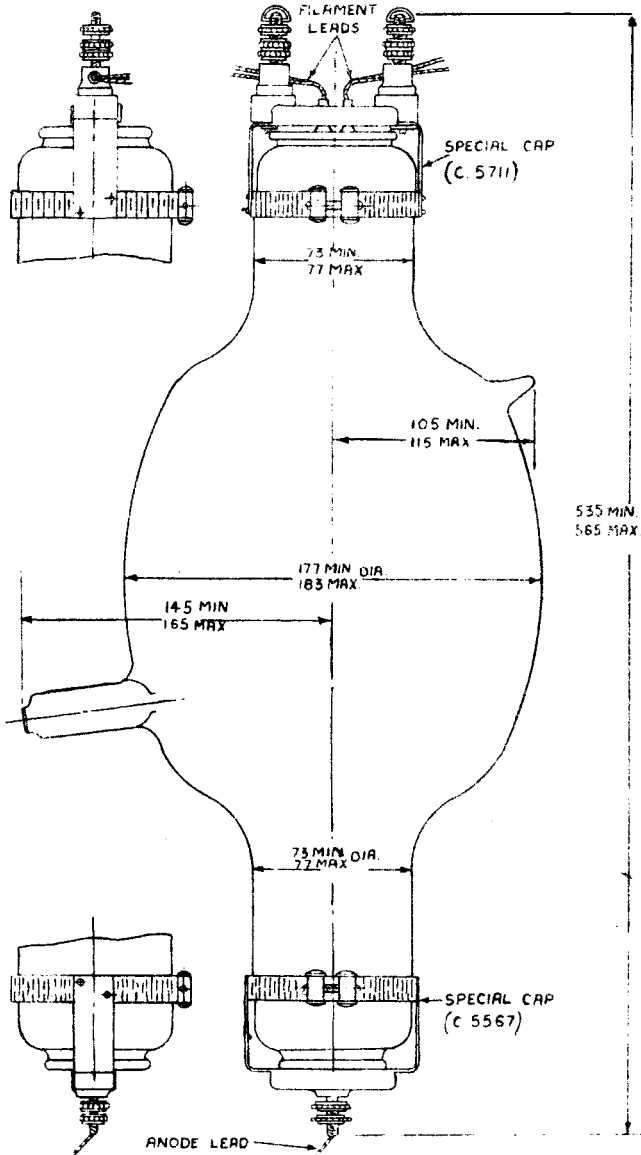
TESTS

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)	23	25	100%
	12.5	-	-				
b	12.5	1500	-	Ia (mA)	1500	-	100%
c	Vary	2000	375	Dissipation Test (See Note 1)	-	-	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