



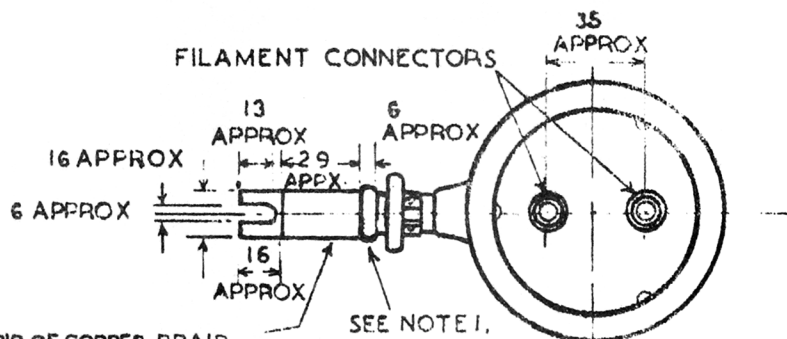
## TESTS

To be performed in the order specified and are additions to those applicable in K1001.

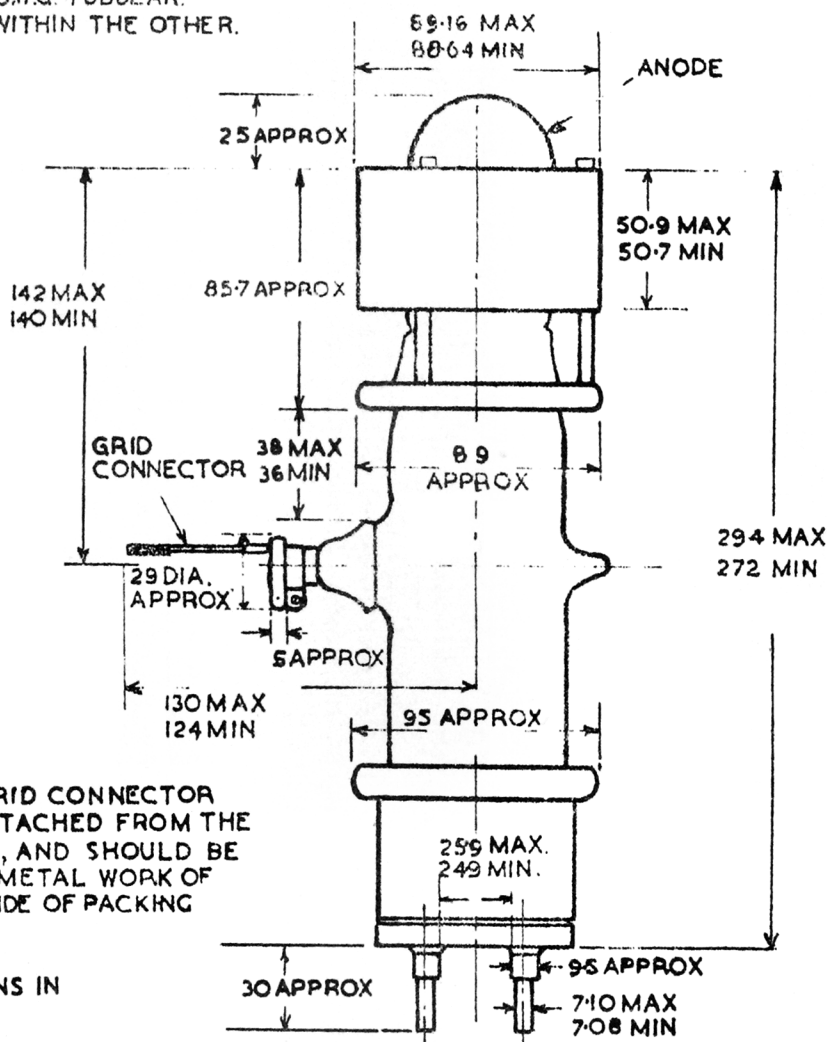
	Test Conditions				Test	Limits		%	Notes
	Vf	Va	Vg	Ia (mA)		Min.	Max.	Tested	
Forced air cooling of the anode shall be provided by not more than 90 cu.ft. of air per minute with a pressure drop across the valve of the order of 2-inches of water.									
a	0	Raised slowly from 10 kV. to 27 kV. and main- tained till flashing ceases.	0	0	<u>Cold Flash Process.</u> Va maintained at 27 kV. for a period of 5 mins. without further flashing.			100%	1,2
b	13.0	Raised slowly from 10 kV. to 31 kV. and main- tained till flashing ceases.		A trace.	<u>Hot Flash Process.</u> Va maintained at 31 kV. for a period of 5 mins. without further flashing.			100%	1,2
c	13.0	7 kV.	-	100	Reverse Ig. Spot reading (uA)		250	100%	
d	13.0	7 kV. re- duced to 5 kV.	-	Maintained at 100.	Vg Change (V)	44	60	5% (4)	
e	13.0	275	275	-	Ic (A)	0.87	1.15	100%	
f	-	1 kV.	1 kV.	Ic = 450	Vf (V). This value of Vf times 1.45 is to be the marked voltage.	8.2	9.2	100%	
g	Marked Voltage	0	0	-	If (A)	52	64	100%	
h	Marked Voltage	7 kV.	-	100	Reverse Ig. Spot reading (uA)	-	250	100%	
j					<u>Capacitances (pF.)</u> 1. Cag 2. Cgf	5.1 6.9	8.5 9.3	6 per week	

## NOTES

- Test clause 'a' applies only to valves Type VT58 and test clause 'b' applies only to valves Type VT58A.
- Once the conditions specified in either test clause 'a' or test clause 'b' have been met, they need not be repeated for acceptance testing. For test clauses 'a' and 'b' there shall be a 300 ohms resistor in series with the applied volts, and a capacitance not greater than 0.25  $\mu$ F. in parallel with the supply volts on the supply side of the resistor.



1 STRIP OF COPPER BRAID  
COMPOSED OF TWO PIECES  
OF 24/18/40 S.W.G. TUBULAR  
BRAID, ONE WITHIN THE OTHER.



## NOTES

1. IN TRANSIT, GRID CONNECTOR SHOULD BE DETACHED FROM THE GRID SEAL, AND SHOULD BE ATTACHED TO METAL WORK OF VALVE, OR INSIDE OF PACKING CASE.
2. ALL DIMENSIONS IN MILLIMETRES.