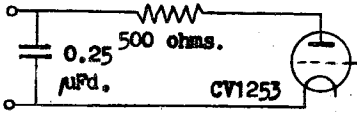




## TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested	Note	
	V <sub>f</sub> (V)	V <sub>a</sub> (kV)	V <sub>g</sub> (V)	I <sub>a</sub> (mA)		Min.	Max.			
	a	11.0	0 to 10 slowly	Adjusted		Approx. 1.0	Hot Flash			100%
H.T. applied thus:-  for 3 mins. at V <sub>a</sub> = 10 kV. V <sub>g</sub> preferably auto-bias.										
b	11.0	-	-	-	I <sub>f</sub> (A)	11.0	13.5	100%		
c	11.0	1.0	Adjusted	100	i. -I <sub>g</sub> (total) (μA)	-	80	100%	2	
					ii. -I <sub>g</sub> (gas) (μA)	-	10			
d	11.0	1.0		100	V <sub>g</sub> (V)	-24	-39	100%		
e	11.0	1.0	x	100	x - y (V)	14	25	1% (1)		
	11.0	0.7	y	100						
f	Ad-just-ed	1.0	0	50	(Reduced emission) V <sub>f</sub> (V)	-	4.7	100%	3	
g	11.0	3.0	3.0		Peak emission I <sub>e</sub> (A)	15	-	100%	3	
Peak emission to be measured under approved conditions.										
h	Valve cold.				<u>CAPACITANCES (pF.)</u>					
					i. C <sub>ag</sub>	5.7	8.7	Type Approval		
					ii. C <sub>gf</sub>	3.0	5.6			

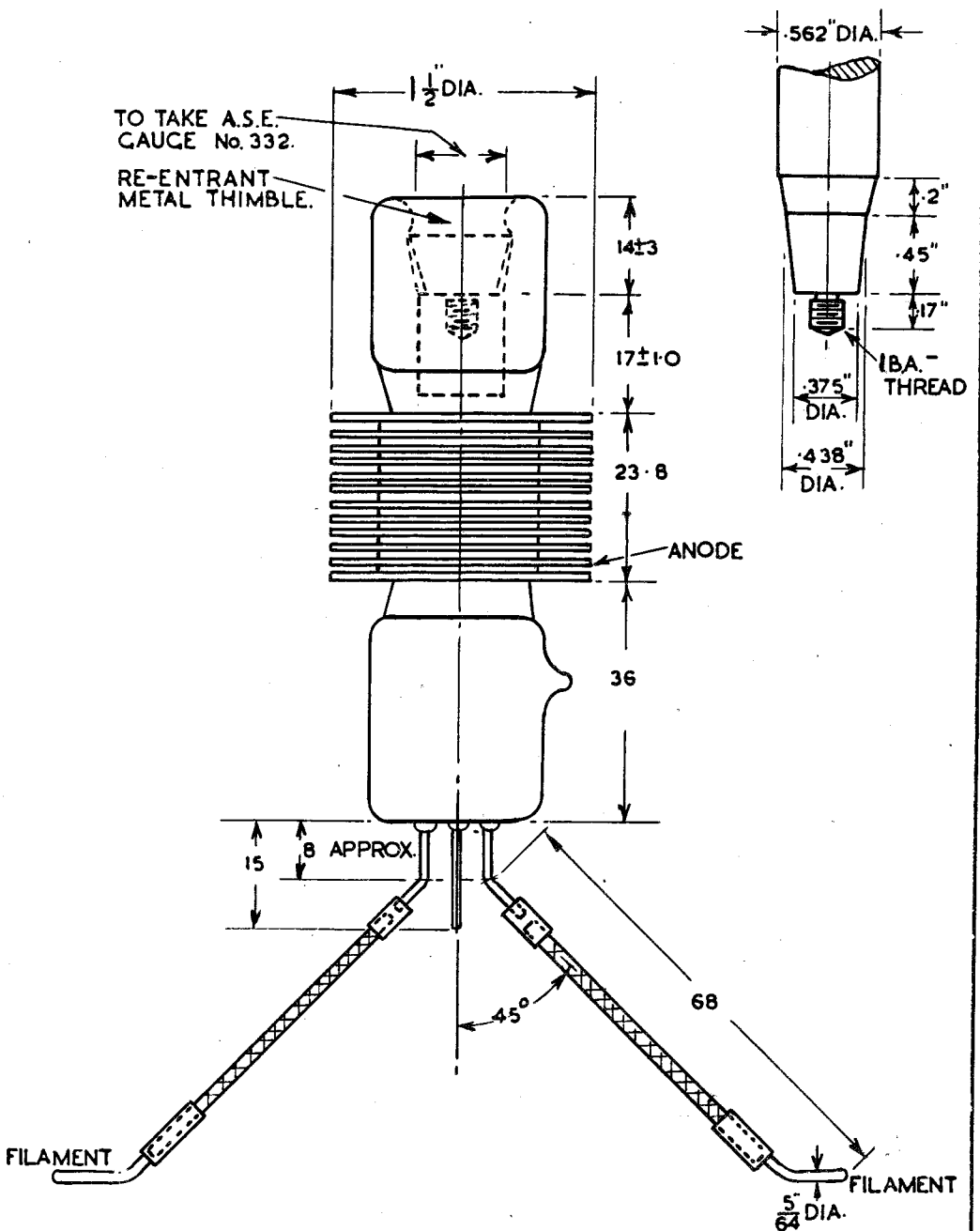
### NOTES

- Each valve must be processed as shown in test 'a'. This test need be applied once only to each valve. Each valve to be processed until internal flashing has substantially ceased.
- The gas component of -I<sub>g</sub> can be taken as the immediate decrease in -I<sub>g</sub> when -V<sub>g</sub> is rapidly increased to cut off I<sub>a</sub>. The presence of unsaturated grid emission may render the performance of test 'c ii' impossible.
- Test 'g' must be done if possible; if not, test 'f' must be done in its place. Valves failing test 'f' are satisfactory if they pass test 'g'. Peak emission to be measured under pulse conditions with a pulse length of 2 μs. and a repetition frequency of 50 p.p.s. The pulse shape is to be sinusoidal.

FIG. 1

DIMENSIONS AND CONNECTIONS.

ACTUAL GRID LEAD  
MAXIMUM DIMENSIONS



A.S.E. GAUGE No 332.  
"GO" GAUGE FOR CV1253 AND 1254. GRID SEAL.

MATERIAL - BRASS OR MILD STEEL.

