VALVE ELECTRONIC

PACKING

See K1001/7.3.

ADMIRAL TY SIGNAL ESTABLISHMENT

(NT97)

Specification AD/CV1254/Issue	SECURITY					
Dated 11.11.46.	Specification	<u>Valve</u>				
To be read in conjunction with clauses: - 5.2, 5.8.	Restricted	Unclassified				
TYPE OF VALVE: - Triode - air-occathoDE: - Directly heate	MARKING					
ENVELOPE: - Glass to metal to anode.	See K1001/4.					
PROTOTYPE:- E1265.	BASE					
RATING	None For connections see Fig. 1.					
Filament Voltage Filament Current Max. Anode Peak Voltage Average Anode Peak Current Max. Anode Dissipation Max. Operating Freq. CAPACITANCES (pf.)	11.0 12.25 9.0 17.5 100 600	A	DIMENSIONS See Fig. 1. Gauge. A.S.E. Gauge No. 332, Fig. 2, is used to check the dimensions of the grid seal. The gauge must screw into the seal without difficulty.			
Cag (nom.) Cgf (nom.)	7•2 4•3		PACKING			

NOTE

With forced air cooling. During testing and operation the valve must be mounted vertically, but either the filament pins or grid thimble shall be uppermost. The air-cooled surface of the anode must be maintained below 140°C. Air blown on to the anode diffuser at a rate of at least 5 cu. ft. per min. and on to the grid seal or lead at about 1 cu. ft. per min., is suggested.

CVI254

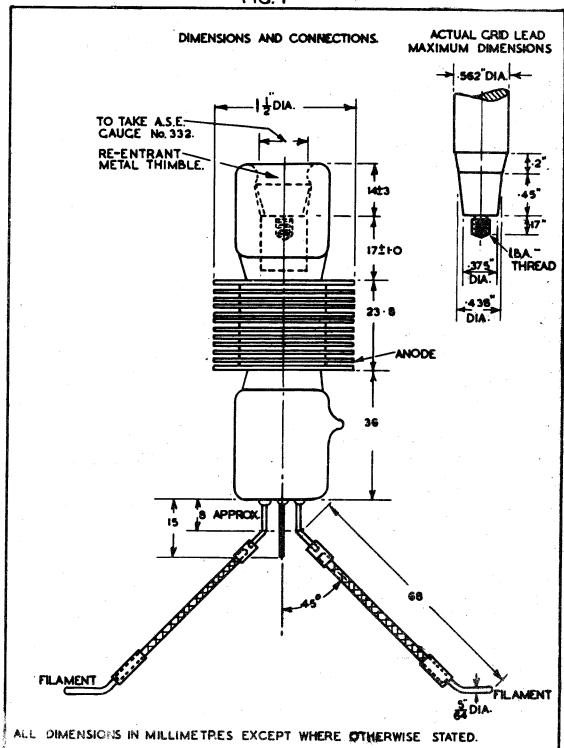
To be performed in addition to those applicable in K1001.

		Test Conditions							Limits			
	vr (v)	Va (kV)	Vg (V)	Ia (mA)		Te	st		Min.	Wax.	No. Tested	Note
а	11.0	0 to 12 slowly	Ad- justed	1.0 approx.	Hot	Flash					100%	1.
AND RESIDENCE AND PROPERTY OF THE PROPERTY OF		w		12 kV.		· <u>.</u>						
b	11.0	-		-	If			(A)	11.0	13.5	100%	
C	11.0	1.0	Ad- justed	100	i.		(total (gas)		•	80	100%	3
đ	11.0	1.0	Ad- justed	100	Vg		(gas)	(MA) (∀)	-24	-39	.100%	
ð	11.0	1.0	x	100	х -	y .		(V)	14	25	1%(1)	
	11.0	0.7	У	100								
f	Peak em	Peak emission to be measured under approved conditions.					nissio	n (A)	17•5	-	100%	2
S	Ad- justed	1.0	O	50	(Red	iuced (missi	(A)	•	4.70	100%	2
h		Valve	e cold.		CAPA 1. ii.	CITAN Cag Cgf	es (p	F.)	5•7 3•0	8.7 5.6	Type Approval	

NOTES

- Each valve must be processed as shewn in test 'a'. This test need be applied once
 only to each valve. Each valve to be processed until internal flashing substantially ceases.
- 2. Test 'f' must be done if possible; if not, test 'g' must be done in its place.

 Valves failing test 'g' are satisfactory if they pass test 'f'. Peak emission (test 'f') to be massion under pulse conditions with pulse length of 2 µ secsorepetition fraction by 50 p.p.s., the pulse shape to be sinusoidal.
- 3. The gas an powert of all can be taken as the immediate decrease in all when a straight increased to cut off Ia. The presence of unsaturated grid emission may replan less to it impossible.



A.S.E.GAUGE No 332. "GO"GAUGE FOR CY1253 AND 1254. GRID SEAL.

MATERIAL - BRASS OR MILD STEEL.

