MARKTNO

ADMIRALTY SIGNAL ESTABLISHMENT

TYPE OF VALVE: Air-cooled triode

Specification AD/CV55/Issue 4.	SECULO P. T. T. Y CONTROL OF THE SECULO PROPERTY OF THE SECULO PROP		
Dated 13.11.46. To be read in conjunction with K1001.		<u>Valve</u> Unc lassifie d	

CATHODE:- Indirectly ENVELOPE:- Metal - gi PROTOTYPE:- E1190.	See K1001/4. Additional Marking Serial No See Note A.		
RATING	and April Salatini	Note	DIMENSIONS AND CONNECTIONS
Heater Voltage (V) Heater Current (A)	6.3 to 7.0 2.7	В	See Fig. 1.
Max. Anode Dissipation (W)		G	Suitable gauges for checking the dimensions
Min. Operating Wavelength Continuous output	50		are shewn in G.E.C. drawings A42102F, A43407D/11 and
power at 50 cm. per pair. (W)	20	D	A43408R/1 or later issues of these drawings.
CAPACITANCES (pF)	,		
Cag Cgc Cac	3.8 7.3 2.2		
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NOTES

- A. Valves and cartons are to be marked with two figures (e.g. 10/150) the first figure giving the peak emission in amps and the second Ia (mA) at Va = 100 V, Vg = 0.
- B. The filament volts should be as little above 6.3 V as possible.
- C. The temperature of the anode and grid seals must be kept below 140°C. Forced-air-cooling is necessary, a flow of approx. 4 cu. ft./min. being recommended. The pressure drop is of the order of 1.5" of water but may be lower, depending on the design of the system.
- d. Under sustained oscillation conditions Va = 500 V.

TESTS

To be performed in addition to those applicable in K1001.

	Test Vh (V)	Va.	nditi Vg (V)			Test			mits Max.	No. Tested	Note
a.	7.0				Ih		(A)	2.4	3.0	100%	
Ъ	7.0	500		100	٧g		(V)	-12	-30	100%	
C	7.0	500		100	Rever i. ii.	se Ig Gas Grid emission	(ALA)	•••	10	100%	1
						and/or leak.			100	100%	
đ	7.0	30 0		100	i.	Vg	(₹)	Must r posi		100%	
					ii.	Vg change from test 'b'	(V)	7	20	100%	
е	7.0	500	500		Ie pe	ak	(A)	10	***	100%	2
f			·		i.	itances Cag Cgc Cac	(pF)	2.1 5.1 0.5		Type ap- proval Test.	·

NOTES

- 1. Ig (gas) is measured as the immediate decrease in reverse Ig when -Vg is rapidly increased to cut off Ia. Should the presence of unsaturated grid emission make this measurement in test 'c(i)' impossible, the test may be considered fulfilled if no trace of gas is evident in test 'e'.
- 2. Ie measured under pulse conditions, with Tp = 2/uS, PRF 50 per sec., the pulse shape sinusoidal.

[·]CV55/4/ii.

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