

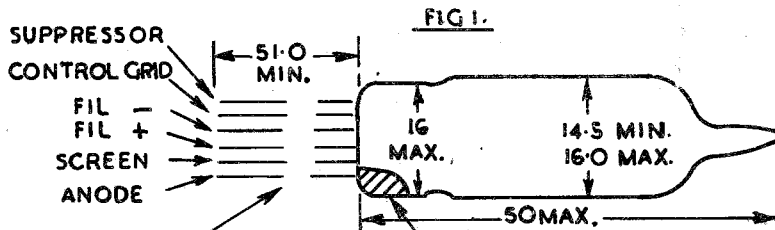
ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV333/Issue 1. Dated 14.1.46. To be read in conjunction with K1001 ignoring clauses:- 5.2, 5.8.		<u>SECURITY</u>	
		<u>Specification</u> Restricted	<u>Valve</u> Restricted
<u>TYPE OF VALVE:-</u> Midget Pentode.		<u>MARKING</u> See K1001/4.	
<u>CATHODE:-</u> Directly heated, oxide coated tungsten.			
<u>ENVELOPE:-</u> Clear glass.			
<u>RATING</u>		Note	<u>BASE</u>
Filament Voltage (V)	1.4		See Fig. 1.
Filament Current (mA)	120		<u>DIMENSIONS</u> See Fig. 1.

TESTS

To be performed in addition to those applicable in K1001,
six weeks after manufacture.

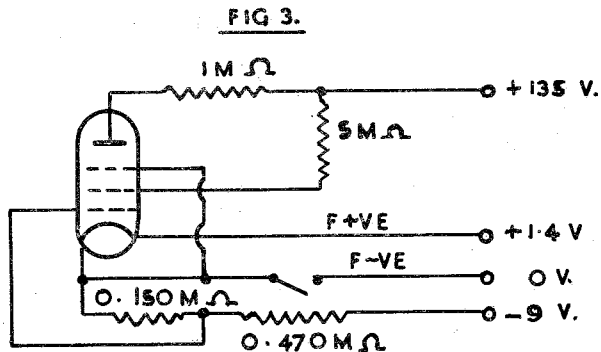
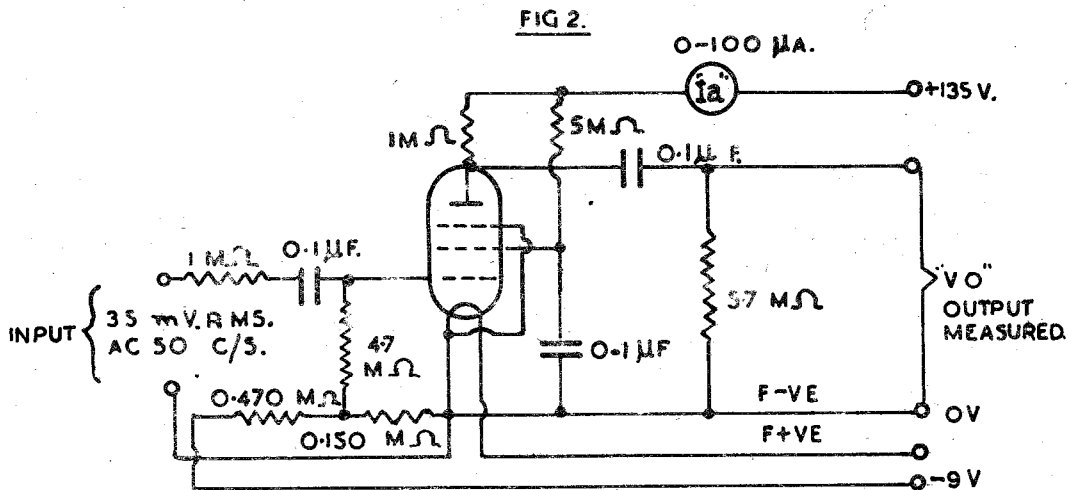
	Test Conditions		Test	Limits		No. Tested
	Vf (V)			Min.	Max.	
a	0	Vg1 with respect to all other electrodes = 135 V.	Insulation G1 to rest (M Ω)	100	-	100%
b	0	Va with respect to all other electrodes = 135 V.	Insulation A to rest (M Ω)	100	-	100%
c	1.4		If (mA)	-	130	100%
d	1.4	Test in circuit shewn in Fig. 2.	"Ia" (μ A)	50	-	100%
			"Vo" (V.RMS)	2.45	3.5	
e		Test (d) repeated with Vf = 1.1 V.	Decrease in output "Vo".	-	12%	100%
f	1.4	Valve to be operated in circuit shewn in Fig. 3. Vf to be on for 3 mins. and off for 60 secs. alternately. Valve run for 1000 on/off cycles.	Life Test.	At end of test, the valve must pass test (e).		0.5% (5)



LEADS TO BE TINNED TO WITHIN 12.5 MM. OF THE PINCH AND MUST BE NOT LESS THAN 1MM. APART BETWEEN CENTRES AT POINT WHERE THEY LEAVE PINCH.

RED SPOT TO INDICATE ANODE LEAD.

ALL DIMENSIONS ARE IN MILLIMETRES.



NOTE:- RESISTANCES TO BE CORRECT TO WITHIN $\pm 2\%$. CONDENSERS $\pm 20\%$.