

ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION AD/CV358 ISSUE No.4 DATED 7.8.56

AMENDMENT NO. 1

Page 2 Test clause (c). In the column headed 'Notes'  
insert '4'.

Test clause (h). In the column headed 'Limits, Max.'  
amend '0.15' to read '15'

NOTES: Insert new Note 4 as follows:-

'4'. It is the average value of the current  
as read on a moving coil meter.'

March 1964  
N.222065

T.V.C. for A.S.W.E.

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

Specification AD/CV.358 Issue No.4 dated 7.8.56. To be read in conjunction with K.1001 and B.S.448. Letter symbols as in B.S.1409.	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	Unclassified	Unclassified

→ Indicates a change

<u>TYPE OF VALVE:-</u> HF Pentode with limited microphony characteristics.		<u>MARKING</u>	
<u>CATHODE:-</u> Indirectly heated.		See K.1001/4	
<u>ENVELOPE:-</u> Glass, Metallised.		<u>BASE</u>	
<u>PROTOTYPE:-</u> EF.37		See B.S.448/B8-0	
<u>RATINGS</u>		<u>CONNECTIONS</u>	
All limiting values are absolute		Pin	Electrode
	Note	1	M
Heater Voltage (V)	6.3	2	h
Heater Current (A)	0.2	3	a
Max. Anode Voltage (V)	300	4	g2
Max. Screen Voltage (V)	125	5	g3
Max. Anode Dissipation (W)	1.0	6	NC
Max. Screen Dissipation (W)	0.3	7	h
Mutual Conductance (mA/V)	1.8	8	k
Anode Impedance (M-Ω)	2.0	TC	g1
Max. Operating Frequency (Mc/s)	125		
<u>CAPACITANCES (pF)</u>		<u>TOP CAP</u>	
C <sub>g1</sub> (Max.)	0.01	See B.S.448/CT1.	
C <sub>as</sub> (Max.)	8.5	<u>DIMENSIONS</u>	
C <sub>g1,e</sub> (Max.)	5.5	See K.1001/A.1/D.1	
		Dimension (mm)	Min. Max.
		A	95 100
		B	- 32
		C	- 30

NOTE

A. Measured with  $V_a = 250V$ ,  $V_{g2} = 100V$ ,  $V_{g1} = -2V$ .

TESTS

To be performed in addition to those applicable in K.1001

	Test Conditions					Test	Limits		No. Tested	Note
	Vh (V)	Vg1 (V)	Vg2 (V)	Vg3 (V)	Va (V)		Min.	Max.		
a	Measurement shall be made at a frequency of 1 Mc/s.					Capacitances (pF) Ca, g1 Ca, e Cg1, e	- - -	0.01 8.5 5.5	6 per week and TA	
b	6.3	0	0	0	0	Ih (A)	0.18	0.22	100%	
c	6.3	30AC	30AC	30AC	30AC	Ie (mA)	32	-	100%	
d	6.3	-2.0	100	0	250	-I <sub>g1</sub> (μA)	-	0.7	100%	1
e	6.3	-3.5	100	0	250	Ia (mA)	0.5	1.5	100%	
f	6.3	0	100	0	250	Ia (mA)	5.7	9.3	100%	
g	6.3	-7.5	100	0	250	Ia (μA)	-	50	100%	2
h						Microphony (mV)	-	0.15	100%	3

NOTES

1. Carried out with 0.1 Megohm in the control grid circuit.
2. Carried out with 1 Megohm in the anode circuit.
3. Carried out in the manufacturer's standard test gear.