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ELECTRONIC VALVE SPECIFICATIONS
SPECIFICATION MOS/CV2371, ISSUE 1. DATED 15.8.55.

AMENDMENT No.1.

(i) Page 1. Top of Page.

- (a) Amend the Specification Authority, "MINISTRY OF SUPPLY (S.R.D.E.)" to read "MINISTRY OF AVIATION - DLRD/RAE".
- (b) Amend the Specification Title, "Specification MOS/CV2371" to read "Specification MOA/CV2371".

(ii) Page 2. Capacitances (ii) Cout.

In the columns headed "Limits", "Min" and "Max", delete '3.2' and '4.0' and substitute '3.4' and '4.2'.

T.V.C. for R.A.E.

(222080)

MINISTRY OF SUPPLY (S.R.D.E.)

VALVE ELECTRONIC

Specification NOS/ CV2371 Issue 1. Dated: 15.8.55. To be read in conjunction with K1001, BS.448 and BS.1409			<u>SECURITY</u>	
			<u>Specification</u> Unclassified	<u>Valve</u> Unclassified
<u>TYPE OF VALVE:</u> Sub-miniature R.F. Pentode			<u>MARKING</u>	
<u>CATHODE:</u> Directly heated			See K1001/4, except that the valve shall be marked with the CV No., Factory and date code only.	
<u>ENVELOPE:</u> Glass, Metallised				
<u>PROTOTYPE:</u> VX8170C/DF61				
<u>RATING</u>			<u>BASE</u>	
			BS448/B5A with flexible leads	
			<u>CONNECTIONS</u>	
			Pin	Electrode
Filament Voltage (V)	1.25	Note B B B B	1	a
Filament Current (mA)	25		2	g2
Max. Anode Voltage (V)	100		3	r(-), M.
Max. Screen Voltage (V)	100		4	g1
Anode Current (mA)	1.7		5	r(+), g3
Screen Current (mA)	0.45		See note D.	
Mutual Conductance (mA/V)	0.95			
Anode Impedance (M Ω)	1.6			
<u>CAPACITANCE (pF)</u>			<u>DIMENSIONS</u>	
c _{a,g1} (Max.)	0.01	See Drawing Page 3		
c _{out} (Nom.)	3.6			
c _{in} (Nom.)	3.1			

NOTES

- A. All limiting ratings are absolute unless otherwise stated.
- B. Measured at $V_a = V_{g2} = 67.5$ $V_{g1} = 0$
- C. Sharp bends in valve leads must not be made closer than 1.5 mm. to the glass seal and soldered joints in the leads must not be made closer than 5.0 mm. to the seal.
- D. Lead 1 shall be indicated by a red dot.

CV2371/1/1

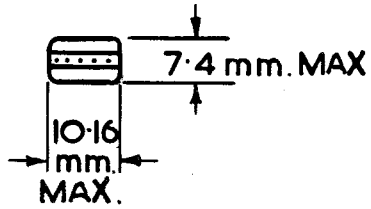
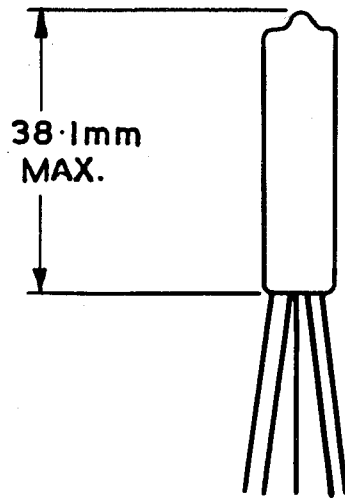
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To be performed in addition to those applicable in K1001

Test Conditions					Test	Limits		Tested	Note
						Min.	Max.		
See K1001/A.III					Capacitances (pF)				
Links to H.P.		Links to L.P.		Links to E.					
a	1	4	2, 3, 5.		(i) $C_{a,g1}$	-	0.01	TA	
	1	2, 3, 5		4	(ii) C_{out}	3.2	4.0	6 per week	
	4	2, 3, 5		1	(iii) C_{in}	2.7	3.5	6 per week	
	V_f	V_a	V_{g2}	V_{g1}					
b	1.25	-	-	-	I_f (mA)	22	28	100%	
c	1.25	67.5	67.5	0	I_a (mA)	1.25	2.15	100%	
d	1.25	67.5	67.5	0	I_{g2} (mA)	0.30	0.6	100%	
e	1.25	67.5	67.5	-0.5	Rev. I_{g1} (μA)	-	0.5	100%	
f	1.25	67.5	67.5	0	g_m (mA/V)	0.70	1.2	100%	
g	1.0	67.5	67.5	0	g_m (mA/V)	0.6	-	100%	
h	1.25	67.5	67.5	-6	I_a tail (μA)	-	20	100%	1

NOTES

1. 1 Megohm protective resistance in series.



LEADS LENGTH 38 mm. MIN.