

CV 2371

AVIATION - DLRD/BAE

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

Am dt 1

VALVE ELECTRONIC

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

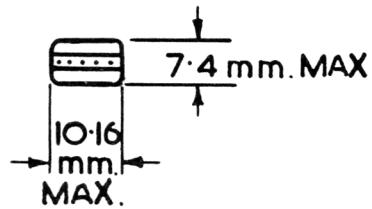
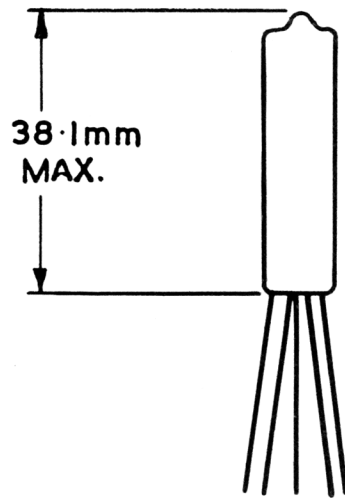
CV2371/1/1

To be performed in addition to those applicable in K1001

Test Conditions					Test	Limits		Tested	Note
						Min.	Max.		
a	See K1001/A.III				Capacitances (pF)				
	Links to H.P.		Links to L.P.	Links to E.					
	1	4	2, 3, 5.						
	1	2, 3, 5	4						
	4	2, 3, 5	1						
				(i) $C_{a,g1}$	-	0.01	TA		
				(ii) C_{out}	3.2 3.4	4.0 4.2	6 per week	Amplifier	
				(iii) C_{in}	2.7	3.5	6 per week		
b	Vf	Va	Vg2	Vg1	If (mA)	22	28	100%	
	1.25	-	-	-					
c	1.25	67.5	67.5	0	Ia (mA)	1.25	2.15	100%	
d	1.25	67.5	67.5	0	Ig2 (mA)	0.30	0.6	100%	
e	1.25	67.5	67.5	-0.5	Rev.Ig1 (μA)	-	0.5	100%	
f	1.25	67.5	67.5	0	gm (mA/V)	0.70	1.2	100%	
g	1.0	67.5	67.5	0	gm (mA/V)	0.6	-	100%	
h	1.25	67.5	67.5	-6	Ia tail (μA)	-	20	100%	1

NOTES

- 1 Megohm protective resistance in series.



LEADS LENGTH 38 mm. MIN.

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)