MINISTRY OF SUPPLY - D.L.R.D.(A)/R.A.E.

VALVE ELECTRONIC

CV2394

Specification MOS(A)/CV2394 Issue 1. 21.12.56 To be read in conjunction with K.1001, BS1409	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

TYPE OF VALVE - Triode

CATHODE - Indirectly Heated

ENVELOPE - Glass

PROTOTYPE - DA42

MARKING
See K.1001/4

BASE
American Medium 4 pin

RATING (All limiting values are absolute)			Note
Heater Voltage	(V)	7.5	
Heater Current	(A)	1.2	
Max. Anode Voltage	(V)	1000	
Max. Anode Dissipation	(W)	40	
Anode Impedance	(Ω)	24000	A
Amplification Factor		72	A
Mutual Conductance	(mA/V)	3.0	A

CONNECTIONS

Pin	Electrode
1	Heater h
2	Cathode k
3	Grid g
4	Heater h
Top Cap	Anode a

CAPACITANCES (pF)	
C in	5.2
C out	1.0
Cag	4.0

TOP CAP

See K.1001/A1/D5.1

DIMENSIONS

See K.1001/A1/D1

Dimension (mm)	Min.	Max.
A Overall length	140	160
B Diameter	-	62

Diameter of valve not to exceed 55 m.m. up to a height of 51 m.m. from bottom of base.

NOTES

A Measured at Va = 1000, Vg = 0.

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

Test Conditions					Test	Limits		No. Tested	Note
	Vh	Va	Vg1	Ia(mA)		Min.	Max.		
a	7.5	0	0	0	Heater Current (A)	1.08	1.32	100% or S	
b	7.5	1500	adjust	26.5	Anode Dissipation	-	-	100%	1
c	7.5	1500	adjust	26.5	Reverse Grid Current (μA)	-	9.0	100%	1
d	7.5	1000	0	-	Anode Current (mA)	21	30	100%	
e	7.5	400	400	-	Cathode Current (A)	2.25	-	100%	2

NOTES

1. Anode current to be maintained at a constant value by adjusting Vg1. Readings of Vg1 and -Ig1 to be taken at 1 minute intervals. Vg1 must be constant within 2 minutes. Duration of test, 5 mins.

2. Measured under pulse conditions.