ELECTRONIC VALVE SPECIFICATIONS SPECIFICATION MOA/CV2104

ISSUE 3 DATED 9TH AUGUST, 1951.

AMENDMENT NO. 1

Page 2. Test h

Test conditions Column Vd

Delete + 10 Insert + 5

Test Id, Column Min. Limits

Delete 1.0 Insert 0.3.

October, 1961.

Signals Research and Development

N.4646

Establishment.

CV2104 (VX8021)

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

Specification MOS/CV 2104/Issue 3	SECURITY		
Dated: = 9.8.51.	Specification	<u>Valve</u>	
To be read in conjunction with K1001	Restricted	Unclassified	

indicates a change

TYPE OF VALVE: Sub-miniature Diode-Pentode CATHODE: Directly heated ENVELOPE: Glass-urmetallise PROTOTYPE: VX8021	MARKING CV 2104 Date Code & Factory Identification Code					
RATING	Note	<u>BASE</u> B8D				1
Filament voltage (V) 7.25 Filament current (mA) 25		CONNECTIONS],	
Max. anode voltage (V) 100		Pin	Electrode]
Max. screen voltage (V) 100 Mutual conductance (mA/V) 0.4 Anode impedance (M2) 0.7 Anode current (mA) 0.75 Screen current (mA) 0.2 Nominal power output (mW) 20	A A A B	12345678	A No Connect G1 -F (G3) +F D No Connect G2			←
		DIMENSIONS See drawing page 3.				
		Dim	Dimension Min. Max		Max.	
		A B	m.m. m.m.		41.2 10.16	+

NOTES

Measured at Va = Vg2 = 90V, Vg1 = -2.3VMeasured at Va = Vg2 = 90V, Vg1 = -2.3V, $R_{\perp} = 0.15 \text{ M}\Omega$

A sharp bend must not be made in any valve lead 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.

To be performed in addition to those applicable in K1001

•			Test Conditions Test				Limits		No.		
		2000 00000					1000		Min.	Max.	Tested
		٧£	Va	Vg2	Vg1	Vd					
	а	1.25	-	-	-	-	If	(mA)	22	28	100%
	b	1.25	70	70	0	-	Ia	(mA)	0.8	1.4	100%
	0	1.25	70	70	0	-	Ig2	(mA)	0.20	0.34	100%
	đ	1.25	70	70	-1.5	-	Rev.Igi	(µA)	-	0.5	100%
-	ø	1.25	70	70	0	-	Saar	(mA/V)	0.34	0.56	100%
→	f	1.1	70	70	0	-	Sur	(mA/V)	0.27	-	100%
	g	1.25	0	0	0		Id(Note 1)	(MA)	3.0	-	100%
	h	1.25	0	0	0	+10	Id	(mA)	1.0	-	100%

NOTE

1. Meter resistance 600 chms.

