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

## VALVE ELECTRONIC CV2101

Specification MOS/CV 2101/Issue 4	TY	
Dated: - 24.4.56.	Specification	Valve
To be read in conjunction with K1001	Unclassified	Unclassified

---- indicates a change

> Markotton a attack								
TYPE OF VALVE:- Sub-miniature  H.F. Pentode  CATHODE:- Directly heated  ENVELOPE:- Glass-unmetallised  PROTOTYPE:- VX8017				MARKING See K1001/4, except that the valve shall be marked with the CV No. Factory and Date Code only.				
RATING Note				BASE B8D				
Filament Voltage (V) 1.25 CONNECTION			VS.					
Filament current (mA)	25		Pin Electrode  1 Int. Connection 2 g1 3 No Connection 4 f(-), s 5 f(+), g3 6 No Connection 7 a					
Max. anode voltage (V) Max. screen voltage (V) Mutual conductance (mA/V) Anode impedance (MΩ) Anode current (mA) Screen current (mA)  CAPACITANCES (pF)	100 100 1.0 0.65 2.0 0.55	A A A						
Cag (max.)	0.015 5.1	B	56					
Cge	3.2	В	DIMENSIONS See drawing page 3.					
			Dimension Min. Ma		Max.			
			A B	Me Me Me Me	9.3	41.2 10.16		

## NOTES

- A. Measured at Va = Vg2 = 70V, Vg1 = OV
- B. Measured with valve shielded.

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.

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TESTS
To be performed in addition to those applicable in K1001

	Test Conditions			Test		Limits		No.	Note	
	200	,					Min.	Max.	Tested	21000
	See K1001/AIII			Capaci						
	Links to		to Li		(Shiel	ded)(pF)				
	H.P.	L. F	- Carrier Carr	E.						
a	7	2		3,4,5,						
1000			the second second	6,8	(1)	Cag	(20	0.015	T.A.	1
	7	1,3,4		2		_				
		6,8	Secultivities and the second		(11)	Cae	4.6	5.6	6	1 1
0.00	2	1,34		7	(				per	
	Profitorosicos Statembarosi Statis de Millocatili (	6,8	COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PARTY.	to plantic restrict recent	(111)	Uge	2.7	3.7	week	1
	Vſ	<b>Va</b>	Vg2	Vg1						
b	1.25	-	-	-	If	(mA)	22	28	100%	
е	1.25	70	70	0	Ia	(mA)	1.5	2.5	100%	
d	1.25	70	70	0	Ig2	(mA)	0.4	0.7	100%	
	1.25	70	70	-1.5	Rev. I	g1 (µA)	-	0.5	100%	
£	1.25	70	70	0	Sau .	(mA/V)	0.75	1.25	100%	
g	1.1	70	70	0	gm	(mA/V)	0.6	en .	100%	
h	1.25	70	70	-6	Ia (T	ail)(µA)	-	20	100%	2

## NOTES

- 1. Capacities measured with shield round valve. All should be measured at R.F.
- 2. 1 Megohm protective resistance in series

