VALVE ELECTRONIC CV 2106

GENERAL POST OFFICE: E-IN-C (S)

Specification: G.P.O./CV2106/Issue 2	SECURITY		
Dated: APRIL 1950	<u>Specification</u>	Valve	
To be read in conjunction with K 1001 ignoring Clause 5.2.	Restricted	Unclassified	

______ indicates a change

fype of valve: Cathode: Envelope: PROTOTYPE	LIVE: Sub-miniature output pentode Directly heated Unmetallised Glass DL 66			MARKING CV 2106 Code date of manufacture Factory identification code		
	RATING		NOTE	BASE See drawing on page 3		
Anode impedance (megohms) Optimum anode load (megohms) Nominal power output (mW)		1.25 15.0 45.0 45.0 350	A A	CONNEXIONS See drawing on page 3		
		0.075 2.5 800		<u>DIMENSIONS</u> See drawing on page 3		
C ag C in C out	•	0.2 2.5 3.7				

NOTE

A. Measured with Va = Vg2 = 22.5 and Vg1 = 1.4

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 t.0 ms to the seal.

CV2T06/2/1

Rotar 1564 S/45

CV 2106

To be performed in addition to those applicable in K1001

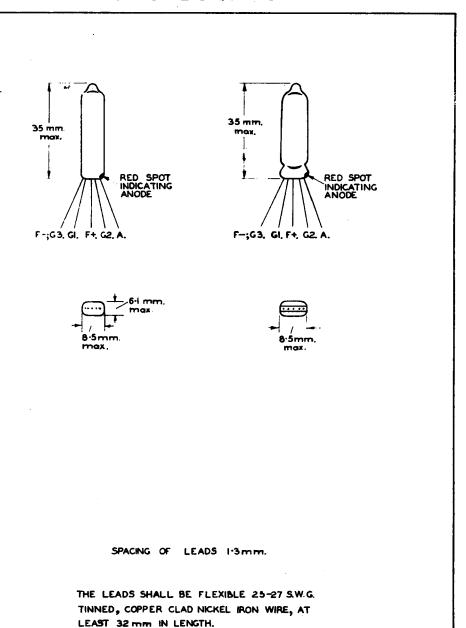
	, .				L	LIMITS	
	TEST CONDITIONS		LONS	Test	Min.	Max.	Tested
	٧f	V ht	f(c/s)				
	1.25	_	_	If (m	.) -	16	100%
ъ	1.5	20	-	Ia (Note 2) (m	L) 0.09	0.17	100%
С	1.1	20	1000	Gain (Note 3) (db)	21	-	100%
đ	1.1	20	1000	Gain (Note 3) (d) Note	7	Sampling Test
e	1.5	20	1000	Gain (Note 3) (d) Note	5	10 per week
f	1.1	30	1000	Gain (Note 3) (d) Note	6	10 per week
g	1.1	20	1000	Output volts Measured with an input of 2.0 volts (Note 4)	10:0		10 per week

NOTES

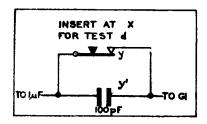
- The equipment used for testing is to be approved by G.P.O.
 Measured in anode circuit of Test Circuit shown on page 4.
- Measured in Test Circuit shown on page 4, and with an input not greater than 100 mV.
- Measured in Test Circuit shown on page 4.
- To be not less than the gain obtained in Test C.
- To be not less than 1.0 db more than the gain obtained in Test C.
- With 100 pf inserted in series with 820 K Ω resistor in input circuit the gain to be within 2 db of the gain obtained in Test C.

CV2106/2/2

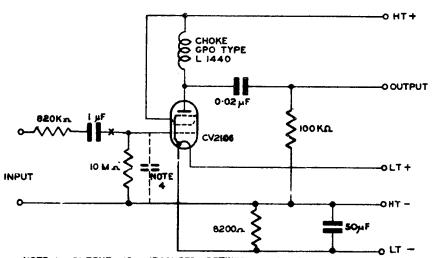
PIN CONNEXIONS & OUTLINE DRAWING



CV2106/2/3



TEST CIRCUIT



NOTE I. OUTPUT IS MEASURED BETWEEN OUTPUT TERMINAL & HT - BY MEANS OF A HIGH IMPEDANCE FULL WAVE VOLTMETER INDICATING AVERAGE VALUES.

- 2. CHOKE, G.P.O TYPE L 1440 MAY BE OBTAINED ON APPLICATION TO G.P.O.
 3. H.T. SOURCE IMPEDANCE TO BE LESS THAN 100 OHMS
- AT THE TEST FREQUENCY.
- FOR TEST & THE STRAY CAPACITANCE, SHOWN DOTTED, WITH VALVE REMOVED AND CIRCUIT BROKEN AT Y & y' (SEE INSET) TO BE BUILT UP TO 12 pF

CV2106/2/4