VALVE ELECTRONIC CV 1704

(P O V T 155)

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

Specification: G.P.O./CV 1704/Issue 1 Dated: 6-8-46 To be read in conjunction with K 1001	SECURITY	
	Specification	Valve
	Restricted	Restricted

——→ indicates a change

TYPE OF VALVE: R.F. Pentode
CATHODE: Indirectly heated
ENVELOPE: Unmetallised glass
PROTOTYPE 57

MARKING
See K 1001/4

BASE
U.S. Medium 6-pin (U.S.M.6)

RATING

			Note
Heater voltage	(V)	2.5	
Nominal heater current	(A)	1.0	
Max. Anode voltage	(V)	250	
Max. screen voltage	(V)	100	
Amplification factor		1500	A
Mutual conductance	(mA/V)	1.22	A
Anode Impedance	(megohms)	1.5	A

CONNEXIONS

Pin	Electrode
1	Heater
2	Anode
3	G2
4	G3
5	Cathode
6	Heater
T.C.	G1

TOP CAP
See K 1001/A1/D5.1

DIMENSIONS
See K 1001/A1/D1

Dimensions		Min.	Max.
A	(mm)	-	108
B	(mm)	-	38

This valve type is obsolete and this specification is for record purposes only

NOTE

Measured with Va = 250 Vg2 = 100, and Vg1 = -3

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vh	Va	Vg1	Vg2	Vg3		Min.	Max.		
(a)	2.5	-	-	-	-	Ih (A)	0.95	1.16	100%	1
(b)	2.5	250	-3	100	0	Ia (mA)	1.5	2.7	100%	1
(c)	2.5	250	-8	100	0	Ia (cut-off) (μA)	0.5	15.0	100%	1
(d)	2.5	250	-3	100	0	Ig2 (mA)	0.3	1.0	100%	1

NOTE

1. Before commencing the tests, the valve shall be pre-heated for 10 minutes, the heater voltage being adjusted to 2.5 volts with all other electrodes disconnected.