VALVE ELECTRONIC CV1705

(POVT 156)

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

Specification: G.P.O./CV 1705/Issue 1 Dated: 30-9-46 To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

——→ indicates a change

TYPE OF VALVE: Pentode
CATHODE: Indirectly heated
ENVELOPE: Unmetallised glass
PROTOTYPE 58

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	
Mutual conductance	(mA/V)	1.6	A

CONNEXIONS

Pin	Electrode
1	Heater
2	Anode
3	G2
4	G3
5	Cathode
6	Heater
TC	G1

TOP CAP
See K 1001/A1/D 5.1

DIMENSIONS
See K 1001/A1/D1

Dimension	Min.	Max.
A (mm)	-	98
B (mm)	-	38

This valve type is obsolete and this specification is for record purposes only.

NOTE
Measured with Va = 250, Vg2 = 100, and Vg 1 = -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	-	-	-	-	If (A)	0.95	1.16	100%	1
(b)	2.5	250	-3	100	0	Ia (mA)	6.2	10.7	100%	1
(c)	2.5	250	-3	100	0	Ig2 (mA)	1.3	3.6	100%	1
(d)	2.5	250	-3	100	0	Reverse Ig1 (µA)	-	0.5	100%	1
(e)	2.5	250	-2.5 -3.5	100	0	gm (mA/V)	1.2	1.9	100%	1
(f)	2.5	250	-39 -41	100	0	gm (µA/V)	2.0	25.0	100%	1
(g)	2.5	250	-49 -51	100	0	gm (µA/V)	1.0	6.0	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.