VALVE ELECTRONIC CV1701

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

(POVT 151)

Specification: G.P.O./CV 1701/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: Midget triode CATHODE: Directly heated ENVELOPE: Unmetallised glass PROTOTYPE XL0	MARKING See K 1001/4

RATING			Note
Filament voltage	(V)	2.0	
Normal filament current	(A)	0.085	
Max. anode voltage	(V)	100	
Mutual conductance	(mA/V)	1.0	A

BASE

Hivac (Midget) 4-pin (H4)

CONNEXIONS

Pin	Electrode
1	Grid
2	Filament
3	Filament
4	Anode

DIMENSIONS

See K 1001/A1/D1

Dimension	Min.	Max.
A (mm)	-	70
B (mm)	-	15

NOTE

A. Measured with Va = 50, and Vg = 0

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	Vf (V)	Va	Vg		Min.	Max.		
(a)	2.0	-	-	If (mA)	80.0	90.0	100%	1
(b)	2.0	50	0	Ia (mA)	1.9	2.4	100%	1
(c)	2.0	50	-1	Ia (mA)	1.0	1.4	100%	1
(d)	2.0	50	-1	Reverse Ig (μA)	-	0.5	100%	1
(e)	2.0	50	0	gm (mA/V)	0.85	1.1	100%	1

NOTE

1. Before commencing tests, the filament shall be pre-heated for 10 minutes, the filament voltage being adjusted to 2 volts with all other electrodes disconnected.