

VALVE ELECTRONIC **CV1702**GENERAL POST OFFICE: E-IN-C (W)

(POVT 152)

Specification: G.P.O./CV 1702/Issue 1 Dated: 30-9-46 To be read in conjunction with K 1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

→ indicates a change

<u>TYPE OF VALVE:</u> Midget triode <u>CATHODE:</u> Directly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE</u> XP			<u>MARKING</u>  See K 1001/4		
<u>RATING</u>			Note	<u>BASE</u> Hivac (midget) 4-pin (H4)	
Filament voltage (V)	2.0			<u>CONNECTIONS</u>	
Nominal filament current (A)	0.083		Pin	Electrode	
Max. anode voltage (V)	100		1	Grid	
Mutual conductance (mA/V)	1.0	A	2	Filament	
Amplification factor	5.0	A	3	Filament	
Anode impedance (ohms)	5000	A	4	Anode	
			<u>DIMENSIONS</u> See K 1001/A1/D1		
			Dimension	Min.	Max.
			A (mm)	-	65
			B (mm)	-	15
<u>NOTE</u>					
A. Measured with $V_a = 50$ , and $V_g = 0$					

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)	78.0	88.0	100%	1
(b)	2.0	50	0	Ia (mA)	4.6	5.6	100%	1
(c)	2.0	50	-1	Ia (mA)	3.9	4.5	100%	1
(d)	2.0	50	-1	Reverse Ig ( $\mu$ A)	-	0.5	100%	1
(e)	2.0	50	0	gm (mA/V)	0.85	1.15	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.