

VALVE ELECTRONIC **CV 1716**

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

(FOVT 167)

Specification: G.P.O./CV 1716/Issue 1 Dated: 30-8-46 To be read in conjunction with K 1001	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	Restricted	Restricted

→ indicates a change

<u>TYPE OF VALVE: Triode</u> <u>CATHODE: Directly heated</u> <u>ENVELOPE: Unmetallised glass</u> <u>PROTOTYPE E 154.1</u>			<u>MARKING</u>		
			See K 1001/4		
<u>RATING</u>			<u>BASE</u>		
			British 4-pin (B4)		
			<u>CONNECTIONS</u>		
			<u>Pin</u>	<u>Electrode</u>	
Filament voltage	(V)	4.0	1	Anode	
Nominal filament current	(A)	1.0	2	Grid	
Max. anode voltage	(V)	300	3	Filament	
Max. anode dissipation	(W)	15.0	4	Filament	
Amplification factor		6.0	A		
Mutual conductance	(mA/V)	5.0	A		
Anode impedance	(ohms)	1200	A		
			<u>DIMENSIONS</u>		
			See K 1001/A1/D1		
			<u>Dimension</u>	<u>Min</u>	<u>Max.</u>
			A (mm)	-	150
			B (mm)	-	61
<u>NOTE</u>					
A. Measured with $V_a = 130$, and $V_g = - 24$					

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	Vf	Va	Vg		Min.	Max.		
(a)	4.0	-	-	I _f (A)	0.9	1.1	100%	
(b)	4.0	130	- 12	I _a (mA)	69.0	115.0	100%	
(c)	4.0	130	- 24	I _a (mA)	27.0	53.0	100%	
(d)	4.0	130	- 48	I _a (mA)	-	5.0	100%	
(e)	4.0	130	- 24	Reverse I _g (μA)	-	2.5	100%	