

VALVE ELECTRONIC **CV 1716**GENERAL POST OFFICE: E-IN-C (S)

(POVT 167)

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

—→ indicates a change

<u>TYPE OF VALVE:</u> Triode				<u>MARKING</u>		
<u>CATHODE:</u> Directly heated				See K 1001/4		
<u>ENVELOPE:</u> Unmetallised glass						
<u>PROTOTYPE</u> E 1541						
<u>RATING</u>				<u>BASE</u>		
				British 4-pin (B4)		
				<u>CONNECTIONS</u>		
				Pin	Electrode	
Filament voltage	(V)	4.0	A	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		<u>DIMENSIONS</u> See K 1001/A1/D1		
Mutual conductance	(mA/V)	5.0				
Anode impedance	(ohms)	1200				
				Dimension		
				Min		
				Max.		
				A (mm)		
				B (mm)		

NOTEA. 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%	