

VALVE ELECTRONIC **CV1679**GENERAL POST OFFICE: E-IN-C (S)

(POVT 111)

Specification: G.P.O./CV1679/Issue 1	<u>SECURITY</u>	
Dated: 18.11.48	<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 K1001/4		
<u>ENVELOPE:</u> Unmetallised glass					
<u>PROTOTYPE</u> DA 30					
<u>RATING</u>			<u>BASE</u>		
			British 4-pin (B4)		
			<u>CONNEXIONS</u>		
			Pin	Electrode	
Filament voltage	(V)	4.0	1	Anode	
Nominal filament current	(A)	2.0	2	Grid	
Max. anode voltage	(V)	500	3	Filament -	
Max. anode dissipation	(W)	30.0	4	Filament +	
Mutual conductance	(mA/V)	3.7	A		
Amplification factor		3.2	A		
			<u>DIMENSIONS</u>		
			See K1001/A1/D1		
			Dimension	Min.	Max.
			A (mm)	-	160
			B (mm)	-	66

NOTEA. Measured with $V_a = 400$, and $I_a = 62.5$ mA.

To be performed in addition to those applicable in K1001

	TEST CONDITIONS				TEST	LIMITS		No. Tested	Note
						Min.	Max.		
(a)					<u>INSULATION (megohms)</u>				
	Test Voltage 250 Volts D.C.				(i) Grid to filament	150	-	1%	
	Test Voltage 500 Volts D.C.				(ii) Anode to Grid	150	-	1%	
	Test Voltage 500 Volts D.C.				(iii) Anode to filament	150	-	1%	
	Vf	Va	Vg	Ia (mA)					
(b)	4.0	-	-	-	If (A)	1.8	2.2	100%	
(c)	4.0	400	Read	62.5	Vg (V)	-78.0	-122.0	100%	
(d)	4.0	400	Adjust	62.5	Reverse Ig (μ A)	-	5.0	100%	
(e)	4.0	400	Adjust	62.5	gm (mA/V)	2.7	4.7	100%	