

VALVE ELECTRONIC **CV1656**GENERAL POST OFFICE: E-IN-C (S)

(POVT 78)

Specification: G.P.O./CV 1656/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> Triode <u>CATHODE:</u> Directly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE</u> L S 8			<u>MARKING</u> See K 1001/4		
<u>RATING</u>		Note	<u>BASE</u> British 4-pin (B4)		
Filament current (A)	0.15		<u>CONNEXIONS</u>		
Nominal filament voltage (V)	4.0	A	Pin	Electrode	
Max. anode voltage (V)	150		1	Anode	
Amplification factor	7.0		2	Grid	
Anode impedance (ohms)	5500		3	Filament -	
			4	Filament +	
<u>CAPACITANCES (pF)</u>		A	<u>DIMENSIONS</u>		
C _{ag} (max)	12.0		See K 1001/A1/D1		
C _{ae} (max)	12.0		Dimension	Min.	Max.
C _{ge} (max)	12.0	A (mm)	-	127	
		B (mm)	-	60	
<u>NOTE</u>					
A. Measured with V _a = 130, and V _g = -8					

TESTS

To be performed in addition to those applicable in K 1001

TEST CONDITIONS			TEST	LIMITS		No. Tested	Note	
				Min.	Max.			
See K 1001/A III			<u>CAPACITANCES (pF)</u>					
(a)	Links to H.P.	Links to L.P.		Links to E				
1	2	3,4,5,6,7,8,9,10,TC1,TC2		(i) Cag	-	12.0	6 per week	
1	3,4	2,5,6,7,8,9,10,TC1,TC2		(ii) Cae	-	12.0	6 per week	
2	3,4	1,5,6,7,8,9,10,TC1,TC2	(iii) Cge	-	12.0	6 per week		
	If(A)	Va	Vg					
(b)	0.15	-	-	Vf (V)	3.7	4.3	100%	
(c)	0.15	130	-20	Ia (mA)	-	0.2	100%	
(d)	0.15	130	- 8	Reverse Ig (μA)	-	0.5	100%	
(e)	0.15	130	- 8	Ia (mA)	4.5	8.5	100%	
(f)	0.15	130	- 8	gm (mA/V)	1.0	1.6	100%	
(g)	0.15	130	- 8	μ	6.0	8.0	100%	