

VALVE ELECTRONIC **CV1671**GENERAL POST OFFICE: E-IN-C (S)

(POVT 102)

Specification: G.P.O./CV1671/Issue 1 Dated: 4.11.46 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>MARKING</u> See K1001/4				
<u>CATHODE:</u> Directly heated						
<u>ENVELOPE:</u> Unmetallised glass						
<u>PROTOTYPE:</u> 4021A						
<u>RATING</u>		<u>BASE</u> Bayonet cap 4-pin (BC4) See drawing on page 3 and Note B. <u>CONNEXIONS</u>	<u>Pin</u>		<u>Electrode</u>	
Filament current	(A)		0.25	<u>Note</u>	1	Grid
Nominal filament voltage	(V)		4.0		2	Filament -
Max. anode voltage	(V)		160		3	Filament +
Anode impedance	(ohms)		2000		4	Anode
Amplification factor			6.0			
Mutual conductance	(mA/V)		3.0			
<u>CAPACITANCES (pF)</u>			<u>DIMENSIONS</u> See K1001/A1/D1			
C _{ag}	(nominal)	9.1	<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
C _{ae}	(nominal)	4.6	A	-	127	
C _{ge}	(nominal)	8.0	B	-	60	

NOTE

- A. Measured with $V_a = 130$, and $V_g = -8$.
- B. The axis of the bayonet locating pin shall lie within 25° of the plane of the filament.

TESTS

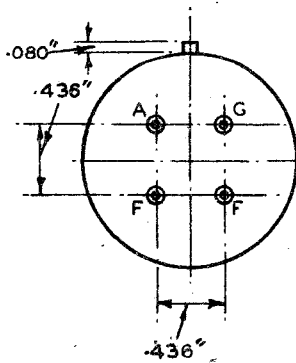
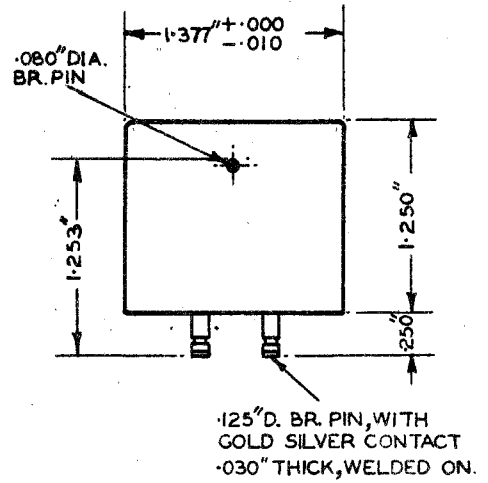
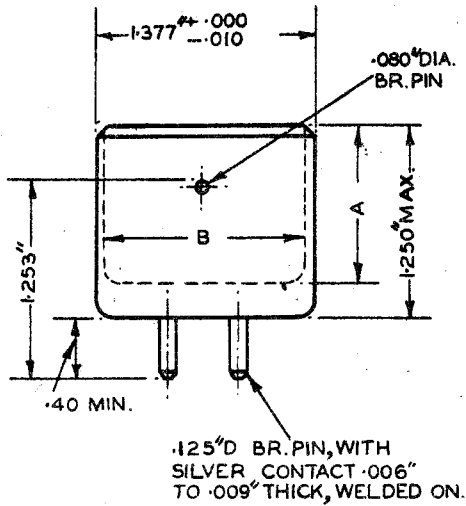
To be performed in addition to those applicable in K1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note	
					Min.	Max.			
(a)	See K1001/AIII			<u>CAPACITANCES (pF)</u>					
	Links to H.P.	Links to L.P.	Links to E						
	4	1	2,3,5,6,7,8,9,10, TC1, TC2		(i) Cag	-	15.0	6 per week	
	4	2,3	1,5,6,7,8,9,10, TC1, TC2		(ii) Cae	-	15.0	6 per week	
	1	2,3	4,5,6,7,8,9,10, TC1, TC2	(iii) Cge	-	15.0	6 per week		
	If(A)	Va	Vg						
(b)	0.25	-	-	Vf (V)	3.7	4.3	100%		
(c)	0.25	130	-30	Ia (μA)	-	200	100%		
(d)	0.25	130	-8	Reverse Ig (μA)	-	0.5	100%		
(e)	0.25	130	-8	μ	5.0	7.0	100%		
(f)	0.25	130	-8	Ra"x" (ohms)	1600	2400	100%		
(g)	0.23	130	-8	Ra"y" (ohms)	-	1.2"x"	100%	1	

NOTE

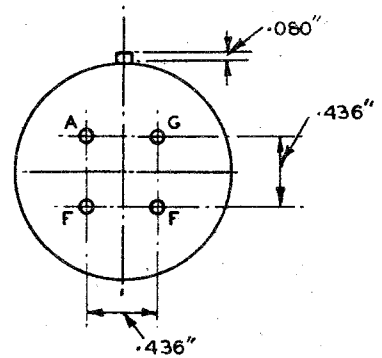
1. Re-adjust If with $V_a = V_g = 0$

OUTLINE DRAWING



INTERNAL DIMENSIONS A & B
TO SUIT MANUFACTURERS
REQUIREMENTS.

FIG. 1. MOULDED TYPE.



MATERIAL: - NI. P. BRASS CYLINDER
WITH MOULDED INTERIOR.

FIG. 2. METAL SHELL TYPE.