

VALVE ELECTRONIC CV 1640

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

(POVT 32B)

Specification: G.P.O./CV1640/Issue 3	<u>SECURITY</u>	
Dated: 12.12.46	<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 K1001/4			
<u>ENVELOPE:</u> Unmetallised glass							
<u>PROTOTYPE</u> 4102D							
<u>RATING</u>				<u>Note</u>		<u>BASE</u>	
Filament current							

TESTS

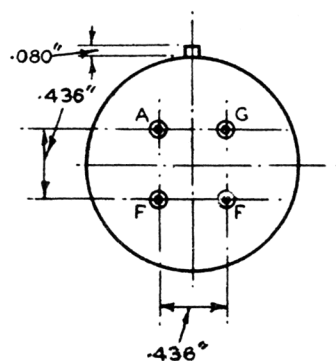
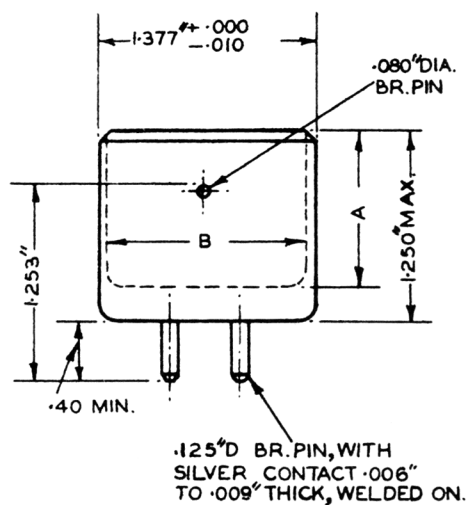
To be performed in addition to those applicable in K1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	Test Voltage 500 Volts, D.C.			<u>Insulation (megohms)</u> (i) Anode to filament (ii) Anode to grid (iii) Grid to filament	100 500 500	- - -	1% 1% 1%	
	If (A)	Va	Vg					
(b)	1.0	-	-	Vf (V)	1.8	2.4	100%	
(c)	1.0	130	-1.5	Reverse Ig (μ A)	-	0.1	100%	
(d)	1.0	130	-1.5	Ra "x" (ohms)	40,000	80,000	100%	
(e)	0.9	130	-1.5	Ra "y" (ohms)	-	1.2 "x"	100%	1
(f)	1.0	130	-1.5	μ	26.0	34.0	100%	
(g)	1.0	130	-7.0	Ia (μ A)	-	1.5	100%	

NOTE

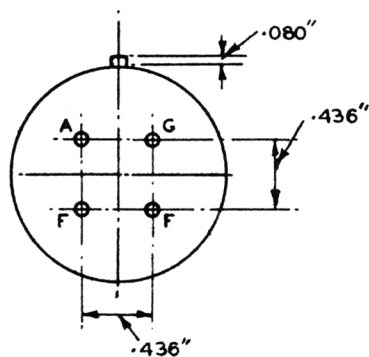
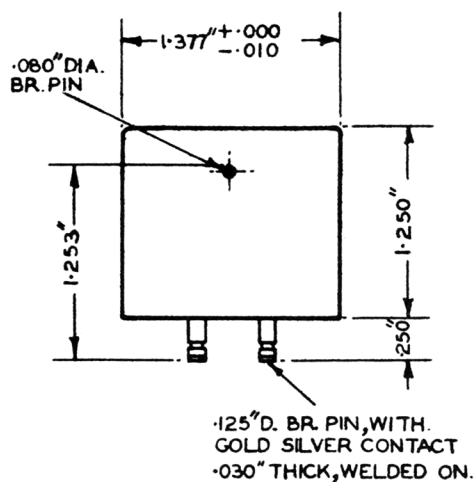
1. Re-adjust If with Va = Vg = 0

OUTLINE DRAWING



INTERNAL DIMENSIONS A & B
TO SUIT MANUFACTURERS
REQUIREMENTS.

FIG.1. MOULDED TYPE.



MATERIAL:- N.I.P. BRASS CYLINDER
WITH MOULDED INTERIOR.

FIG. 2. METAL SHELL TYPE.