

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

(FOVT 31)

Specification: G.P.O./CV 1638/Issue 3	<u>SECURITY</u>	
Dated: 13-5-48	<u>Specification</u>	Valve
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> 4101 D							
<u>RATING</u>			Note		<u>BASE</u>		
Filament current (A) 1.0			A		Bayonet cap 4-pin (BC4)		
Nominal filament voltage (V) 4.5					See drawing on page 3		
Max. anode voltage (V) 190					and Note B.		
Anode impedance (ohms) 6,000					<u>CONNECTIONS</u>		
Amplification factor 6.0							
					Pin	Electrode	
					1	Grid	
					2	Filament -	
					3	Filament +	
					4	Anode	
					<u>DIMENSIONS</u>		
					See K 1001/A1/D1		
					Dimension	Min.	Max.
					A (mm)	-	125
					B (mm)	-	60

This valve type is obsolete and this specification is for record purposes only.

NOTES

A Measured with $V_a = 130$, and $V_g = -9$

B The axis of the bayonet locating pin shall lie within 25° of the plane of the filament.

TESTS

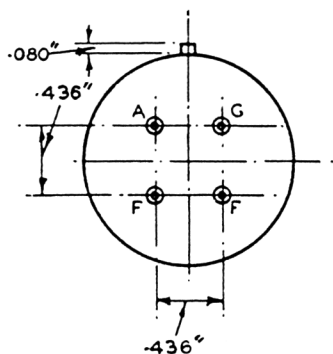
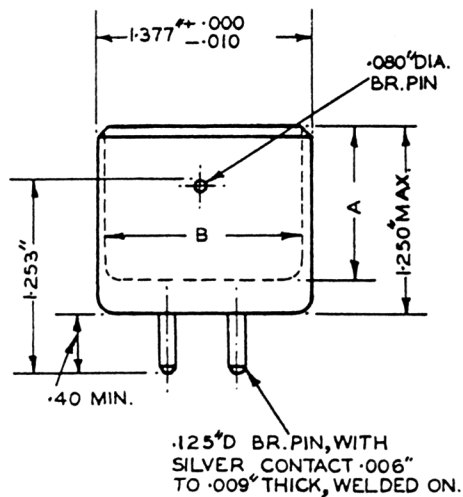
To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	Test Voltage 500 Volts D.C.			<u>INSULATION (megohms)</u> Between any two electrodes	500	-	1 %	
	If (A)	Va	Vg					
(b)	1.0	-	-	Vf (V)	4.0	5.0	100%	
(c)	1.0	130	- 9	Reverse Ig (μA)	-	0.5	100%	
(d)	1.0	130	-9	Ra "X" (ohms)	5000	7000	100%	
(e)	0.9	130	-9	Ra "Y" (ohms)	-	1.2"x"	100%	1
(f)	1.0	130	-9	μ	5.0	7.0	100%	

NOTE

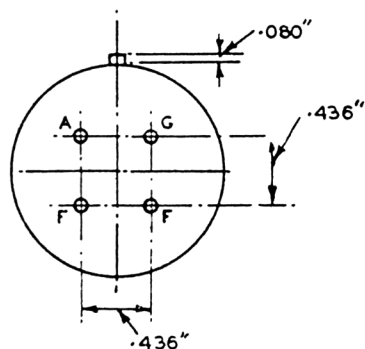
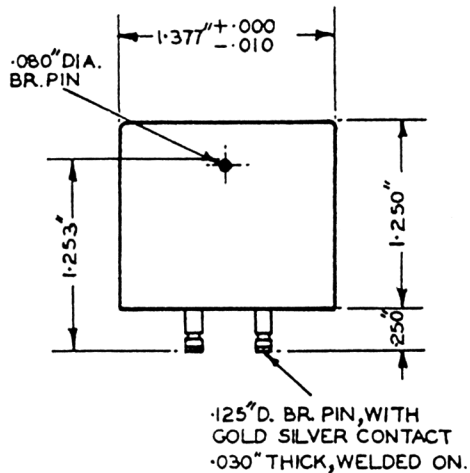
1. Re-adjust If with Va = Vg = 0

OUTLINE DRAWING



INTERNAL DIMENSIONS A & B
TO SUIT MANUFACTURERS
REQUIREMENTS.

FIG. 1. MOULDED TYPE.



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

FIG. 2. METAL SHELL TYPE.