VALVE ELECTRONIC CV 1637

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

(POVT 25)

Specification: G.P.O./CV 1637/Issue 2 Dated: 15 - 1 - 47 To be read in conjunction with K 1001	SECURITY	
	Specification	Valve
	Restricted	Restricted

——→ indicates a change

TYPE OF VALVE: Triode
CATHODE: Directly heated
ENVELOPE: Unmetallised glass
PROTOTYPE LS5

MARKING

See K 1001/4

RATING			Note
Filament current	(A)	0.82	
Nominal filament voltage	(V)	4.5	
Max. anode voltage	(V)	200	
Amplification factor		6.0	A
Mutual conductance	(mA/V)	2.0	A

CAPACITANCES (pF)		
Cag	(max)	6.0
Cae	(max)	6.0
Cge	(max)	6.0

BASE

Bayonet cap 4-pin(BC4)
See drawing on page 3 and Note B.

CONNEXIONS

Pin	Electrode
1	Grid
2	Filament -
3	Filament +
4	Anode

DIMENSIONS

See K 1001/A1/D1

Dimension		Min.	Max.
A	(mm)	-	127
B	(mm)	-	64

NOTE

A. Measured with Va = 150, and Vg = -9

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

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TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
					Min.	Max.		
(a)	See K 1001/A III			CAPACITANCES (pF)				
	Links to HP	Links to LP	Links to E					
	4	1	2,3,5,6,7,8, 9,10,TC1,TC2	(i) Cag	-	6.0	6 per week	
	4	2,3	1,5,6,7,8,9 10, TC1, TC2	(ii) Cae	-	6.0	6 per week	
	1	2,3	4,5,6,7,8,9 10,TC1, TC2	(iii) Cge	-	6.0	6 per week	
(b)	Test Voltage 500 Volts D.C.			INSULATION (megohms) Between any electrode and metallic shell of the base	500	-	1%	
	If(A)	Va	Vg					
(c)	0.82	-	-	Vf (V)	4.2	4.8	100%	
(d)	0.82	40	40	Ie (mA)	30.0	-	100%	
(e)	0.82	150	-9	Ia (mA)	8.3	13.7	100%	
(f)	0.82	150	-9	gm (mA/V) Officially amended	~~1·4~~ 0·7	~~2·6~~ 1·3	100%	
(g)	0.82	150	-9	Reverse Ig (μA)	-	0.25	100%	
(h)	0.82	150	-9	μ	5.0	7.0	1%	

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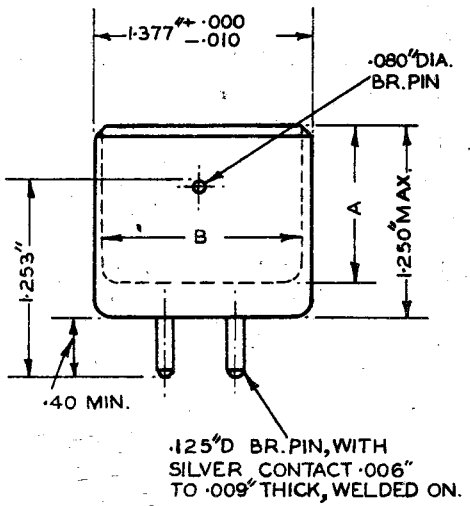
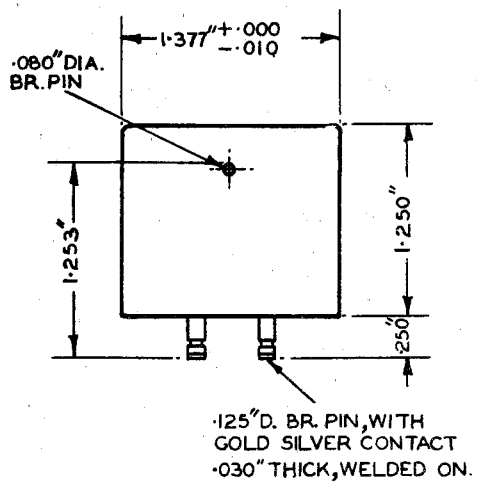
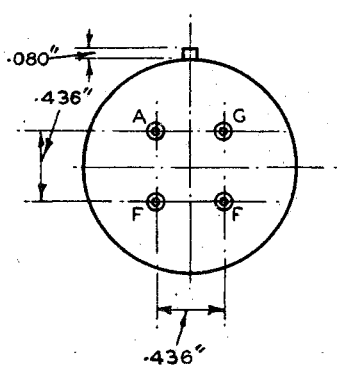
OUTLINE DRAWING

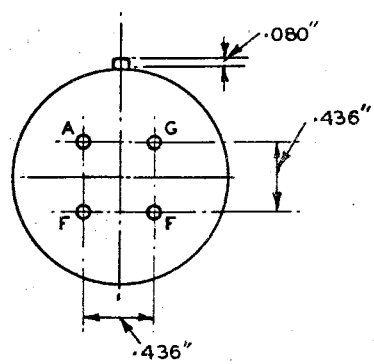






INTERNAL DIMENSIONS A & B TO SUIT MANUFACTURERS REQUIREMENTS.

FIG. 1. MOULDED TYPE.



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

FIG. 2. METAL SHELL TYPE.