VALVE ELECTRONIC CV1645

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

(POVT 38)

Specification: G.P.O./CV 1645/Issue 3 Dated: 12.12.46 To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

——> indicates a change

TYPE OF VALVE: Triode
CATHODE: Directly heated
ENVELOPE: Unmetallised glass
PROTOTYPE: E 133

MARKING

See K1001/4

RATING

			Note
Filament current	(A)	0.82	
Nominal filament voltage	(V)	4.5	
Max. anode voltage	(V)	200	
Mutual conductance	(mA/V)	1.72	A
Amplification factor		9.5	A
Anode impedance	(ohms)	5,500	A

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 K1001/A1/D1

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

NOTE

A. Measured with Va = 150, and Vg = -5

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

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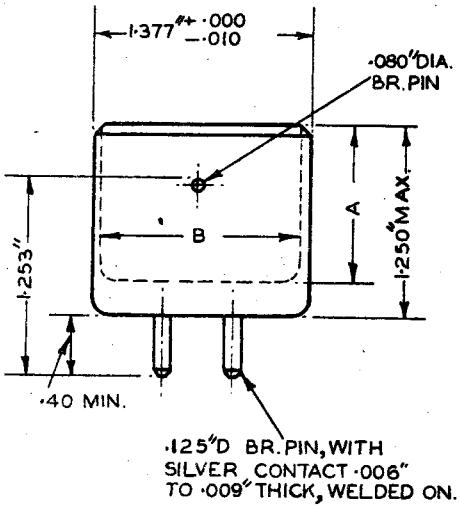
TESTS

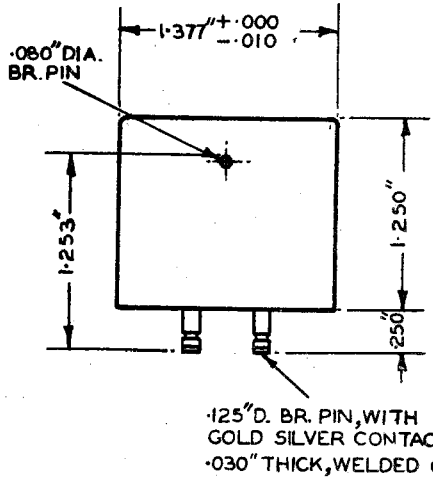
To be performed in addition to those applicable in K1001

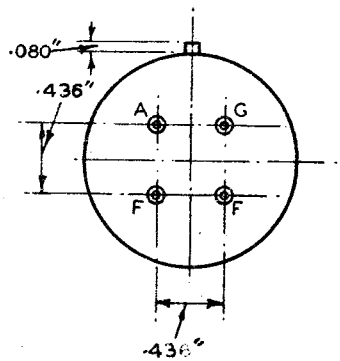
	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	If(A)	Va	Vg		Min.	Max.		
(a)	0.82	-	-	Vf (V)	4.1	4.8	100%	
(b)	0.82	40	40	Ie (mA)	40.0	-	100%	
(c)	0.82	150	-5	Ia (mA)	7.8	14.4	100%	
(d)	0.82	150	-5	gm (mA/V)	1.29	2.15	100%	
(e)	0.82	150	-5	Reverse Ig (μA)	-	0.5	100%	
(f)	0.82	150	-5	μ	8.4	10.6	1%	

CV1645

OUTLINE DRAWING

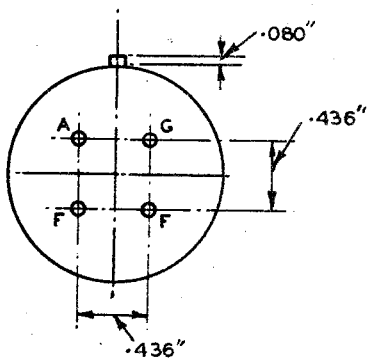






INTERNAL DIMENSIONS A & B TO SUIT MANUFACTURERS REQUIREMENTS.

FIG. 1. MOULDED TYPE.



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

FIG. 2. METAL SHELL TYPE.