ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC CV200

Specification AD/CV200/Issue No.2.
Dated 2.9.46.
To be read in conjunction with K1001

SECURITY

Specn.	Valve
[redacted] Unclass	Unclassified

→ Indicates a change

TYPE OF VALVE:- Output or Modulator Triode.

CATHODE:- Directly Heated, Oxide Coated.

ENVELOPE:- Glass.

PROTOTYPE:- MZ2-200

MARKING

See K1001/4.

BASE

Extra Large 4-pin Bayonet Type (EL4B).
See Drawing, Page 3.

Pin	Electrode
1	Anode
2	Grid
3	Filament
4	Filament

RATING

			Note
Vf	(V)	14.0	
If approx.	(A)	2.2	
Max. Va	(kV)	2.0	
Max. Wa	(W)	250	
gm	(mA/V)	5.4	A
μ		16	A
Ra	(ohms)	3,000	A

CAPACITANCES (pF.) (approx. values)

→ Caf		5.6
→ Cgf		17.0
Cag		16.5

DRAWING

See K1001/AI/D1

Dimension	Min.	Max.
A mm	-	345
B mm	-	96

PACKING

See ~~K1001/1.5.~~ K1005

NOTES

A. At Va = 2 kV, Ia = 110 mA.

TESTS

To be performed in addition to those applicable in K1001.

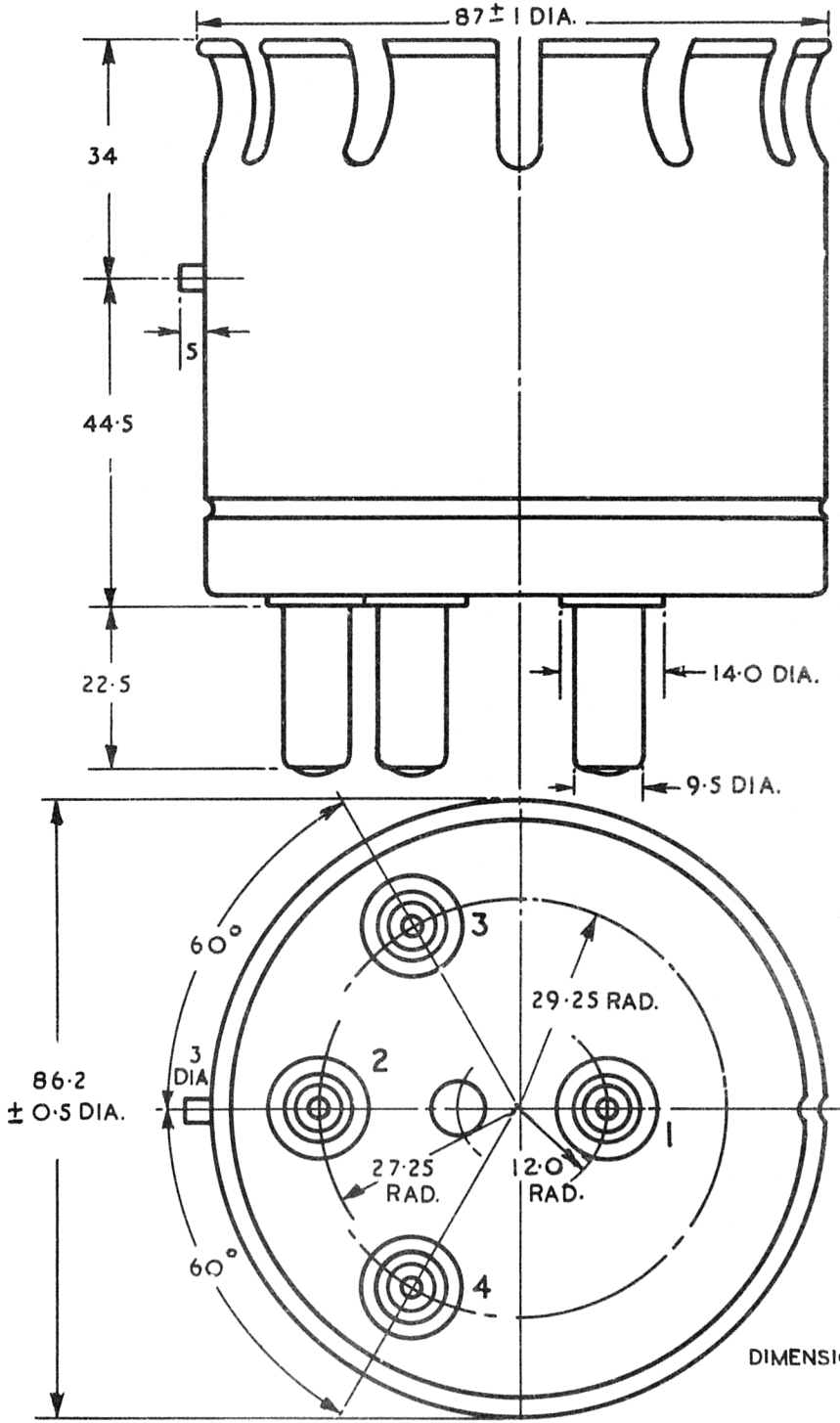
	Test Conditions				Test	Limits		No. Tested	Note
	Vf(V)	Vg(V)	Va(V)	Ia(mA)		Min.	Max.		
a	14				If (A)	1.9	2.5	100% or S	1
b	14	150 V. RMS. AC.			Ia + Ig (mA)	380	-	100%	2
c	14	-152	2000		Ia (mA)	-	12	100%	
d	14	-114	2000		Ia (mA)	52	128	100%	
e	14	-76	2000		Ia (mA)	305	485	100%	3
f	14		2000	160	Reverse Ig (uA)	-	25	100%	4
	Read -Ig after 5 mins.								

NOTES

1. Before testing, the valve shall be preheated with Vf = 14 V. for 5 mins.
2. Read Ia + Ig soon as Va + Vg is switched on.
3. Let Ia run as briefly as possible.
4. If the maximum reverse Ig is exceeded in test 'f', run for 5 minutes more and re-test. Max. reverse Ig after total of 10 mins. is 30 uA.

DIMENSIONS OF EL4B BASE

CV 200



DIMENSIONS IN MMS.

AD/CV200/Issue 2

Change arrows should be inserted as follows :-

Page 1, under "CAPACITANCES"

against "Caf"

against "Cgf"

Page 2, against test clause "a"

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