VALVE ELECTRONIC **CV52**

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV52/Issue 4. Dated 10.3.47. To be read in conjunction with K1001.	SECURITY Specn. Restricted Valve Unclassified

TYPE OF VALVE:- U.H.F. Triode
CATHODE: Indirectly Heated.
ENVELOPE:- Glass.
PROTOTYPE:- E1231.

MARKING

See K1001/4.

RATING		Note
Heater Voltage (V)	6.3	
Heater Current (A)	0.75	
Max. Anode Voltage (V)	200	
Max. Anode Dissipation (W)	12	
Amplification Factor	12	
Mutual Conductance (mA/V)	8	A
Anode Impedance (ohms)	1500	A
Average Anode Current (mA)	60	A
Approx. efficiency		
at 50 cm. (%)	27	B
at 25 cm. (%)	4	B
CAPACITANCES (pF. approx.)		
Cgc	2.5	C
Cag	2.3	C
Cac	2.8	C

BASE AND CONNECTIONS

See Fig. 1, page 2.

DIMENSIONS

See Fig. 1, page 2.

PACKING

See K1001/7.

NOTES

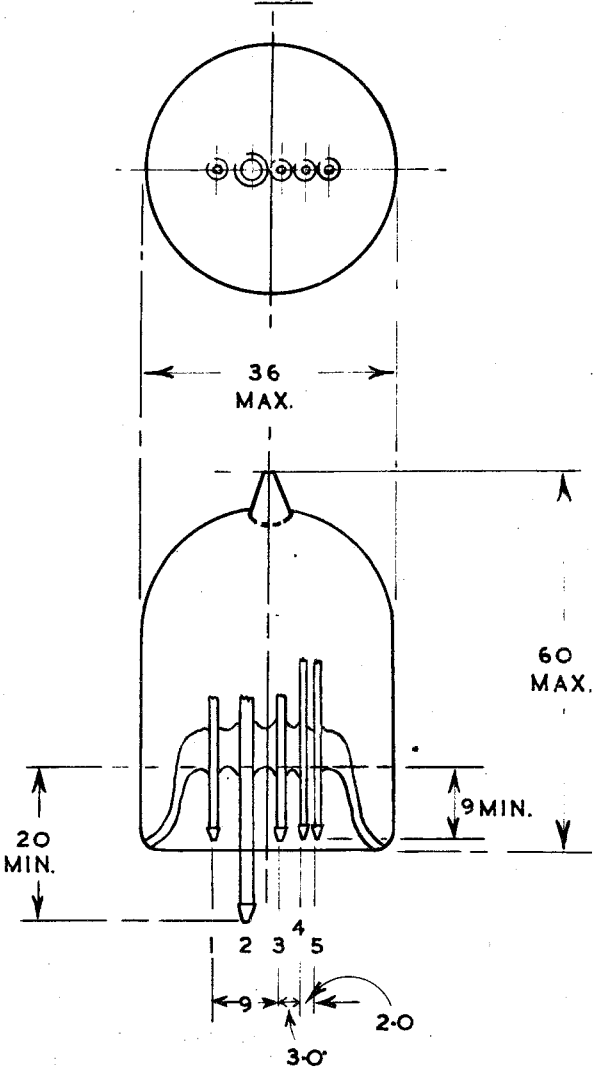
A. At Va= 100 V, Vg = 0 to -2 V.
B. At 10 watts input.
C. Including valve pins.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	6.3	0	0	0	Ih (A)	0.69	0.81	100%
b	6.3	100	0		Ia (mA)	35	85	100%
c	6.3	100	0 to -2		gm (mA/V)	4.5	12.0	100%
d	6.3	200	adjusted	60	-Ig (µA)	-	50	100%

FIG. 1.



PIN No.	PIN DIAM m.m.	ELECTRODE.
1	1·0 ±0·02	ANODE
2	2·5 $^{+0·025}_{-0·05}$	GRID
3	1·0 ±0·02	ANODE
4	1·0 ±0·02	CATHODE & HEATER
5	1·0 ±0·02	HEATER

ALL DIMENSIONS ARE IN MILLIMETRES.