VALVE ELECTRONIC

CV94

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV94/Issue 4. Dated 5.12.46. To be read in conjunction with K1001.	SECURITY Specn. ~~Restricted~~ Unrestricted. Valve Unclassified

TYPE OF VALVE:- Diode switch. CATHODE:- Indirectly heated. ENVELOPE:- Metal - glass. PROTOTYPE:- DS.103.	MARKING See K1001/4. Additional Marking:- Serial No. .....

RATING		Note	DIMENSIONS AND CONNECTIONS
Heater Voltage (V)	6.0		See Fig. 1, Page 3.
Heater Current (approx.) (A)	7.5		PACKING K1001/7. See ~~K1001/7.~~
CAPACITANCES (pF.) (approx.)			
Cac	14	A	

NOTE

A. Measured at 90 Mc/s with Vh = 6.0 V.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions Vh (V)	Va (V)	Ia (A)	Test	Limits Min.	Limits Max.	No. Tested	Note
a	0	-	-	Insulation test			100%	
	Va applied using a 500 V megger for 10 secs. Valve must not break down.							
b	6.0	-	-	Ih (A)	6.9	8.2	100%	
c	6.1	Adjusted	100 (peak)	Va (V)	-	1500	100%	1
	Va applied in 10 μSec. pulses with recurrence frequency 50 pps.				Characteristic to be maintained for 2 mins.			
d	Valve hot. Effective parallel resistance of valve measured on a 'Q' meter at 90 Mc/s.			H.F. Loss			100%	2
e	6.0	Capacitances of valve at 90 Mc/s.		Cac (pF)	11.5	15.2	100%	

NOTES

1. 5% of the valves tested for 2 minutes shall be tested for an additional 30 minutes under the same conditions.

2. The loss shall not be greater than that in a given standard which is held by A.S.E. (This standard will be made up from an Erie R.M.A.S. resistor, value 100,000 ohms).

OUTLINE DIMENSIONS.

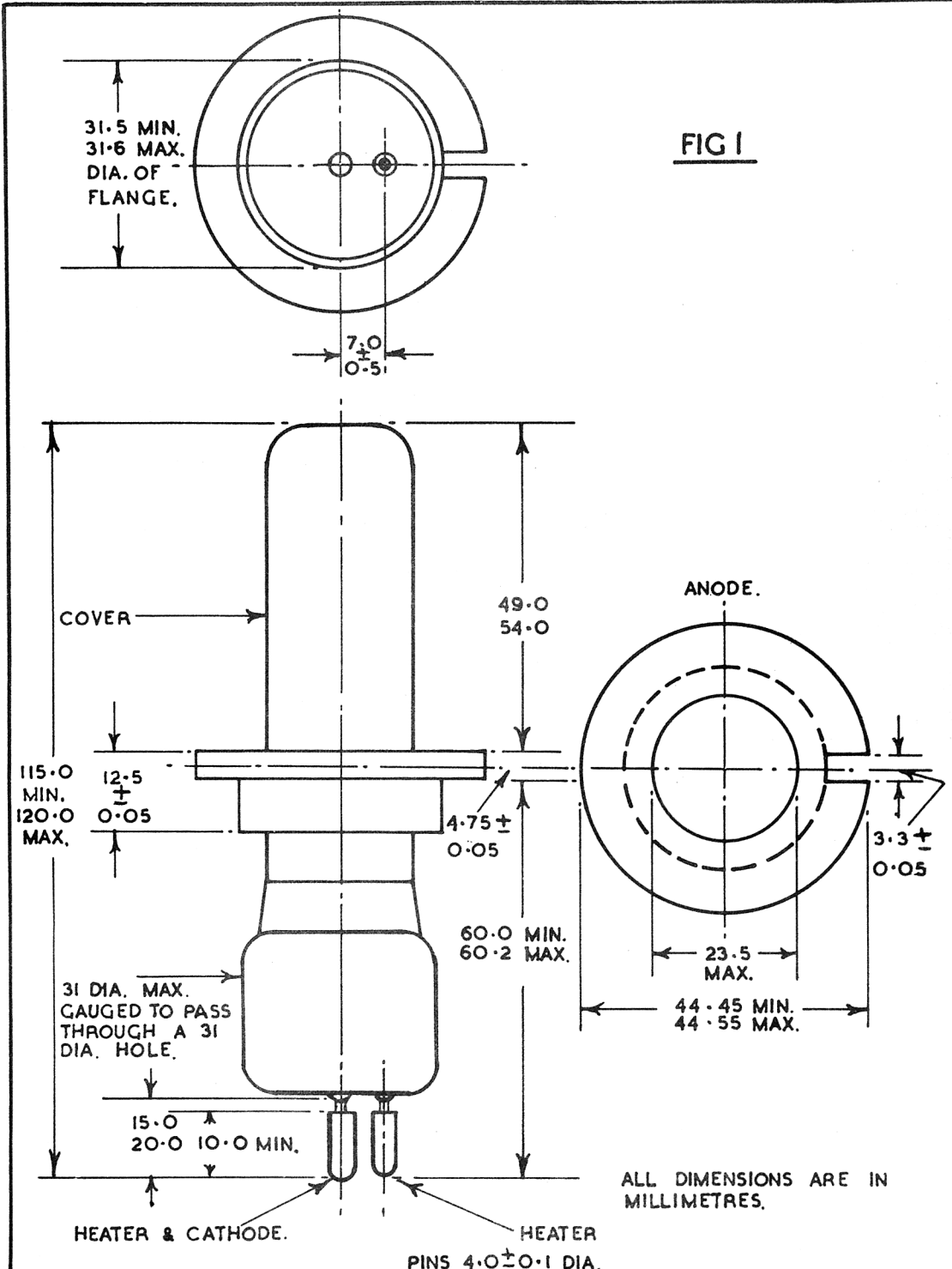

FIG 1