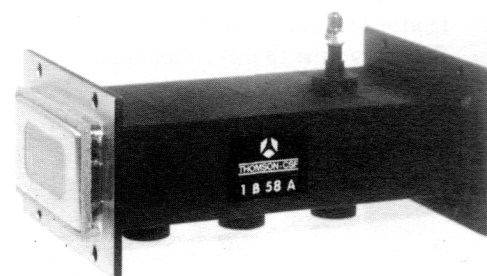


## 1B58A TR TUBE

The 1B 58 A is a broad band, fixed tuned TR tube designed to operate from 2664 to 2964 MHz, for use as Transmit-Receive gaseous switch in S-band microwave systems.

The 1B 58 A is inserted in the waveguide section by the way to the receiver, protecting it against high energy level by a gas discharge, taking place inside the tube. The gas discharge is induced by an electrode : the ignitor. When the tube is not ionized, the echo propagating towards the receiver is very slightly attenuated.



### GENERAL CHARACTERISTICS \*

#### Mechanical

|                     |                        |
|---------------------|------------------------|
| Operating position  | any                    |
| Mounting            | ignitor low level side |
| Storage temperature | - 40 °C to + 100 °C    |
| Approximate weight  | 1000 g                 |
| Dimensions          | see drawing            |

#### Electrical

|           |                  |
|-----------|------------------|
| Frequency | 2664 to 2964 MHz |
|-----------|------------------|

\* Characteristics given for information only. See specifications sheet for performance characteristics.

### ABSOLUTE RATINGS

(NON SIMULTANEOUS VALUES)

|                               | min. | max. |    |
|-------------------------------|------|------|----|
| Ignitor current               | 100  | 200  | μA |
| Ignitor voltage (d.c. supply) | -500 | -700 | V  |
| Peak applied power            | 10   | 750  | kW |





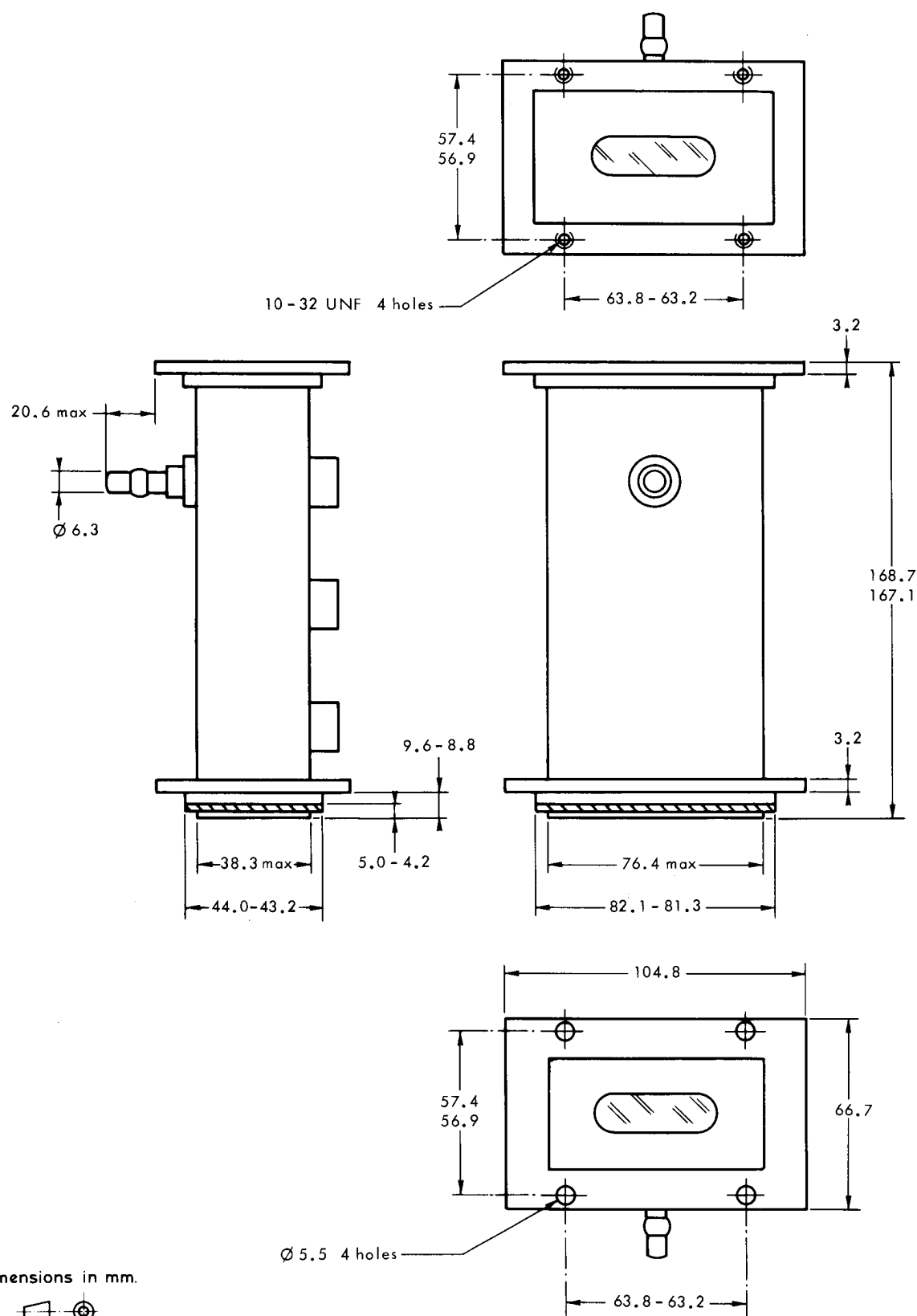
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**1B 58 A**

August 1972 - page 3/3

## OUTLINE DRAWING



1B 58A



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