



1. Description of manufacturer

1.1. Trade mark

: ***DENSO***

1.2. Name and address of manufacturer

- Name : DENSO CORPORATION
- Address : 1-1 Showa-cho, Kariya-shi, Aichi-ken, 448-8661,
Japan

1.3. Name and address of applicant

- Name : DENSO CORPORATION
- Address : 1-1 Showa-cho, Kariya-shi, Aichi-ken, 448-8661,
Japan



2. Technical description of the system

2.1. Type number

- Receiver : 13BBY

2.2. FCC/IC ID

- FCC : HYQ13BBY
- IC : 1551A-13BBY

2.3. Specification of receiver

- Nominal frequency : 314.98 MHz
- Type of receiving system : Super-heterodyne
- Power Supply
 - Nominal supply voltage : 5 VDC (from ECU)
- Antenna : Internal type (Fixed)

3. Outline of the system

3.1. Description of the system operation

Tire Pressure Monitor System is used for monitoring and indicating about information of air pressure in vehicle's tires.

Transmitter sends to receiver the data that is information of air pressure in vehicle's tire.

The data also include temperature of tire and battery voltage and identity code of transmitter.

The receiver judges the data.

If the data of air pressure and others are not normal condition and then the receiver sends signal to a warning lamp through control ECU.

The warning lamp warns drivers.

3.2. Installation in vehicle

The receiver is installed inside the vehicle.

4. Block diagram

4.1. Receiver

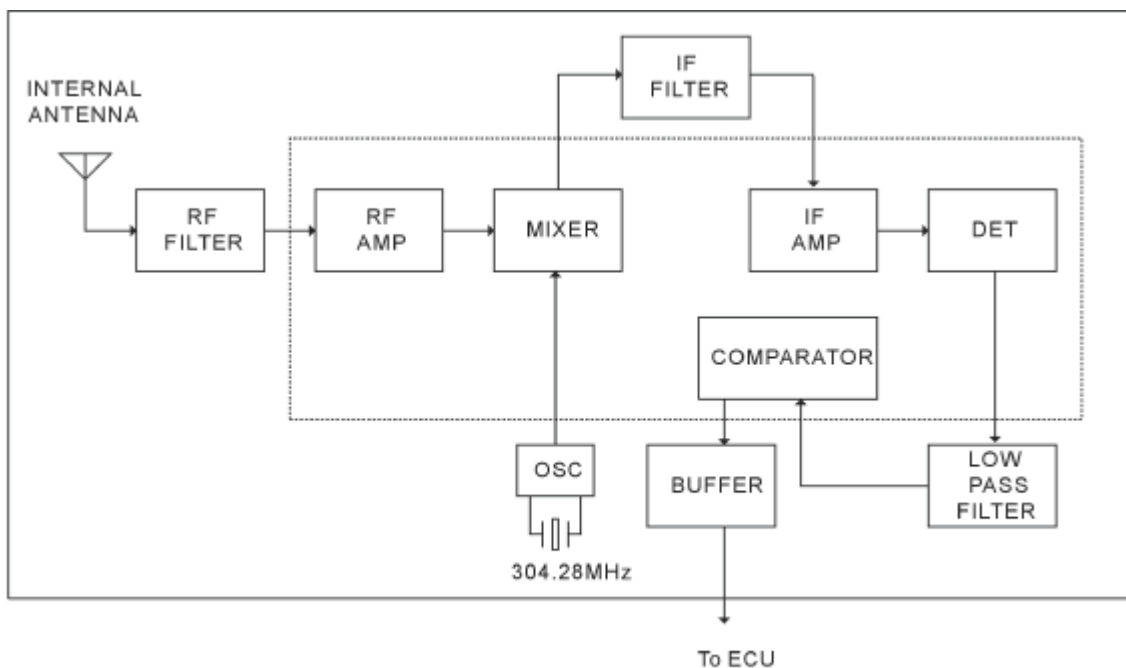


Fig.4-1 Block diagram of receiver