

Operational Description

The BH1417F is a FM stereo transmitter IC that transmits simple configuration.

The IC consists of a stereo modulator for generating stereo composite signals and a FM transmitter for broadcasting a FM signal on the air.

The stereo modulator generates a composite signal which consists of the MAIN, SUB, and pilot signal from a 38 kHz oscillator.

The FM transmitter radiates FM wave on the air by modulating the carrier signal with a composite signal. Frequency is set for North America.

Applications

Wireless speakers, MP3 player, Car TV, Car navigation

Features

- 1) It is possible to improve the timbre because it has the pre-emphasis circuit, limiter circuit, and the low-pass filter circuit.
- 2) Built-in pilot-tone system FM stereo modulator circuit.
- 3) The transmission frequency is stable because it has a PLL system FM transmitter circuit.
- 4) PLL controls data input in parallel (4bits, 14ch for North America)