

1. Summary

This unit is a portable FM transmitter and is designed to minimize volume and weight by using the recent miniature parts. This unit is a multi-use device and is manufactured so that the consumer can use it for various purposes at desired position. Major function of this unit as music or sound transmitter using FM ranges includes using 6 frequencies.

In addition, for use in a car, a support console for vehicle, of which mounting or removal is available for convenient use is also provided together with the unit.

2. Specification

Main body of FM transmitter

① Current consumption

- In use of AAA cell: MAX. 130mA

② Rated power cell available : 1.2V~1.5V

③ Size: 64.0mm ×23.0mm ×24.0mm (except for support console for vehicle)

④ Weight: 23g (except for battery)

⑤ Environment for use

- Keeping temperature: -30℃ ~ 80℃

- Operation temperature: -10℃ ~ 50℃

⑥ Usage: Inside or outside of structures on the ground, or within vehicle

⑦ Method: Oscillation method using circuit, FM modulation method, analog transmission method

⑧ Time of using cell

- In case of using general Alkaline cell: Maximum consecutive 10 hours

- In case of using NiMH charger: Maximum consecutive 8 hours

⑨ Public line used

- Type: Loop type of antenna adhered to inside PCB

- Gain : 0 dB

- Size : 1.7 X 3.7mm, copper material with 1.0mm interval

- Output impedance: 75 Ω

⑩ Frequency used: 106.7, 106.9, 107.1, 107.5, 107.7, 107.9 (MHz)

Support console for vehicle

① Size: 34.0mm × 27mm × 14.0mm

② Weight: 10g

③ Fixing method

- Fixing of both vehicle and support console: Both sided tape
- Fixing of both support console and transmitter: Magnet on support console and magnetic power of main body (battery + metal plate)