Product Description

The ISSC BM81SPK01 is a highly integrated Bluetooth 3.0+EDR stereo module, designed for high data rate, short-range wireless communication in the 2.4 GHz ISM band. With ISSC Bluetooth stack and profile, the ISSC BM81SPK01 provides a low power and ultra-low cost Bluetooth 3.0+EDR solution for wireless voice/audio applications.

Features

- Main Chip: ISSC IS1681S
- Bluetooth 3.0+EDR compliant
- Typical +2dBm Class 2 output power
- Receiver Sensitivity: GFSK typical -91dBm, π/4 PSK typical -92dBm, 8DPSK typical -84dBm
- Piconet and Scatter net support
- HCI UART interface
- CVSD, A-law, μ-law CODEC algorithms for voice applications
- SBC decode for Bluetooth audio streaming
- Build-in High performance stereo audio codec
- Cap-less/single end headphone driver
- Audio DAC: 94dB SNR
- Build in Max. 350mAH Li-ion battery charger
- HSP, HFP, A2DP, AVRCP profile support
- 3V operating voltage
- ROM version: 32Kb EEPROM
- 34 pins for DIP module, 35pins for SMT module (with additional 35th pin antenna port for external antenna option)
- Size: 15mm x29mm
- Build-in PCB Antenna
- RoHS compliant