

Product Description:

The ISSC MYBM84SPK01 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 MYBM84SPK01 provides a low power and ultra-low cost Bluetooth 3.0+EDR solution for wireless voice/audio applications.

Features:

- ✂ Main Chip: ISSC IS1684S
- ✂ Bluetooth 3.0+EDR compliant
- ✂ Typical +2dBm Class 2 output power
- ✂ Receiver Sensitivity: GFSK typical -91dBm,
π/4-DQPSK typical -92dBm,
8-DPSK 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
- ✂ A2DP, AVRCP profile support
- ✂ DC 3.3V 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

FCC Warning:

Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Label Instructions:

The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.

(A) If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: "2AATW-20130813AP" or "Contains FCC ID: " 2AATW-20130813AP" Any similar wording

that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization.

(B) If the modular transmitter uses an electronic display of the FCC identification number, the information must be readily accessible and visible on the modular transmitter or on the device in which it is installed. If the module is installed inside another device, then the outside of the device into which the module is installed must display a label referring to the enclosed module. This exterior label can use wording such as the following:

"Contains FCC certified transmitter module(s)." Any similar wording that expresses the same meaning may be used. The user manual must include instructions on how to access the electronic display. A copy of these instructions must be included in the application for equipment authorization.

Note:

The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

Appropriate measurements (e.g. 15 B compliance) and if applicable additional equipment authorizations (e.g. Verification , Doc) of the host device to be addressed by the integrator/manufacturer.

Attention:

This RF Module does not have an own shielding, so that a Limited Modular Approval (LMA) was granted:

This RF module is strictly limited to the integration by the Grantee himself for the dedicated OEM integrators under the control of the Grantee.

Proper measurements of the host device including this RF module (radiated spurious emissions and band edge) are required to assure compliance with the FCC regulations.

Any other integrator must contact the Grantee to determine necessary compliance measurements and/or additional equipment authorizations (e.g. Class II Permissive Change or New Equipment Authorization)for his configuration.

This RF Module must not be sold to the general public.

IMPORTANT NOTE: In the event that these conditions cannot be met (for example: certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.