

ROK 101 007/1 Bluetooth Module

Key Features

- 0dBm Output Power
- Built-in shielding
- Separate supply rail for the I/O ports
- Internal crystal oscillator
- No need for a modulator input since the baseband signal is generated internally
- Supplementary USB signals for wake-up and detach control
- Multiple interface for different applications
- -UART for data
- -PCM for voice
- -USB for voice and data
- HCl firmware included
- Approved for global use (FCC, ETSI)
- Pre-certified Bluetooth 1.0A Module

Suggested Applications

- Portable computers
- Handheld devices
- Cameras
- Computer peripherals
- Mobile phone accessories
- Interface to the fixed line access network

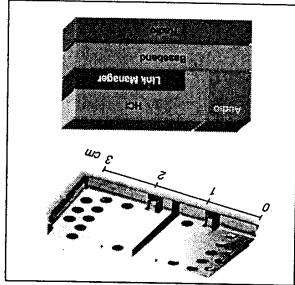


Figure 2. Actual size of the Ericsson Bluetooth Module, and also showing the HW and FW.

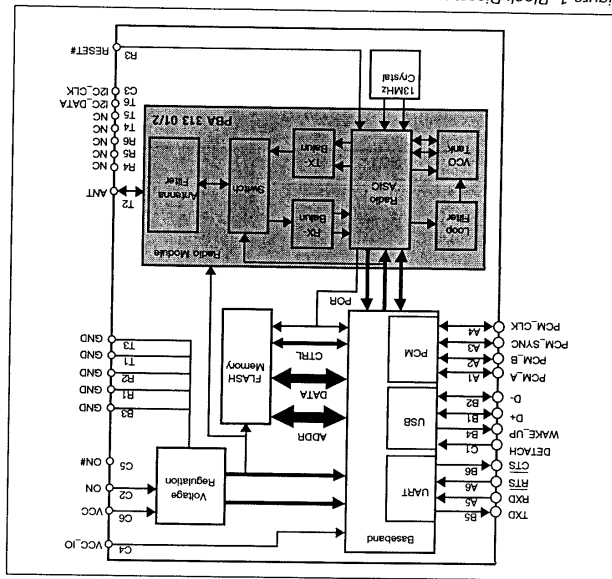


Figure 1. Block Diagram

Description

ROK 101 007/1 is a short-range module for implementing Bluetooth functionality into various electronic devices. The module consists of three major parts that are mounted on a PCB: a baseband controller, a flash memory, and a radio that operates in the globally available 2.4-2.5 GHz free ISM band. Both data and voice transmission is supported by the module. Communication between the module and the host controller is carried out using a high-speed USB interface compliant with USB Specifications 1.1 or an UART/PCM interface. When using the USB interface, the module appears as a USB slave device and therefore requires no PC resources.