

## 2. Operational Description

### ■ Overview

MK71050-03 is a Bluetooth® Low Energy (here in after LE) wireless module which is integrating ML7105C-001 Bluetooth LE SoC, E2PROM, 26MHz crystal oscillator, 2.4GHz PCB pattern antenna and passive components.

It has Bluetooth® LE compliant 2.4GHz band radio communication capability.

MK71050-03 is suitable for applications such as Healthcare device, Remote Controller or PC peripherals.

### ■ Features

- Bluetooth® SIG Core Spec v4.0 compliant
- Integrating ML7105C-001 Bluetooth® LE single mode LSI
- Integrating 26MHz xtal oscillator
- Integrating 128kbit EEPROM
- Single power supply 1.8V to 3.6V
- Operating Temperature -20 deg.C to 70 deg.C
- Current Consumptions

    Deep Sleep Mode 0.8uA(Typ.) (with external Low Power Clock)

    Idle Mode 3mA (Typ.)

    TX mode 9mA (Typ.)

    RX mode 9mA (Typ.)

- Dimension 10.6mm(W) x 13.7mm (L) x 1.78mm (H)
- Pb Free, RoHS compliant
- Product Name MK71050-03