



**Frequency Table**

**RF Section**

- Carrier Frequency ( $f_c$ ) between 431 and 437 MHz (Transmit)
- Intermediate Frequency (IF) of 203KHz
- LO Frequency equal to  $f_c - IF$  (Receive)
- 3MHz SPI interface (Configuration control from micro controller)
- 62.5KHz bi-directional data

**Micro-Controller**

- 26MHz Clock
- 13MHz Bus
- 3MHz SPI interface (CC1101)
- 1 MHz SPI Interface (EEPROM)
- 62.5KHz bi-directional data
- 1.11 KHz PWM Signal for LED Brightness Control
- 120Hz Control Signal for Triac (Dimming) Control

**Power Supply**

- 132 KHz switching signal