Product Brief

Type 2TY Module
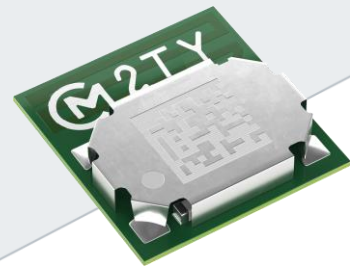
Bluetooth® Low Energy Module

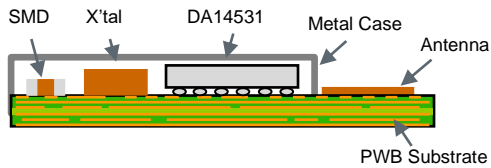Ultra-small, high quality and lower power Bluetooth® 5.1 module.

Features

- Bluetooth® Low Energy Module
- Part Number : LBCA1HN2TY
- Interface : UART / SPI / I2C
- IC P/N: Dialog DA14531
- Reference clock embedded
- Package: Shield can
- RoHS: This component can meet with RoHS compliance.
- FCC/IC/Japan certified

Benefits

- Smallest/highly integrated Bluetooth® Low Energy module available in the market
- Smaller area than CoB solution
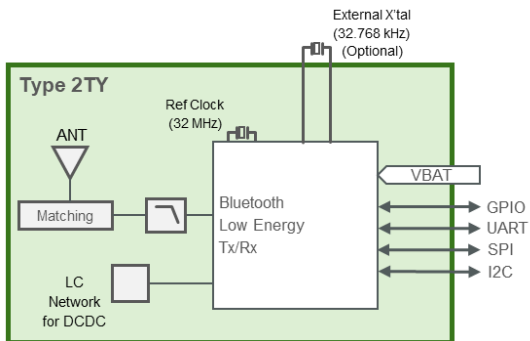- Internal antenna can be used

SMD   X'tal   DA14531   Metal Case   Antenna   PWB Substrate

Description

The module features low current consumption, and internal antenna. Ideally suited for small, battery operated IoT devices and applications.

External X'tal (32.768 kHz) (Optional)

Type 2TY
ANT
Ref Clock (32 MHz)
Matching
Bluetooth Low Energy Tx/Rx
VBAT
GPIO
UART
SPI
I2C
LC Network for DCDC

More details: Murata Type 2TY product page

Size: 7.4 x 7.0 (mm), t = 1.3 mm (maximum)

Type 2TY Specifications	
Murata P/N	LBCA1HN2TY
Technology	Bluetooth
Chipset	Dialog DA14531
Bluetooth Specification	5.1
CPU Core	ARM Cortex-M0+
ROM/RAM	32 kB (OTP) / 48 kB RAM
Bluetooth Interface	UART/SPI/I2C
CPU Clock	16 MHz
Supply Voltage (V)	VBAT: 1.8~3.3
Operating Temp. Range (°C)	-40 to 85
Antenna Configuration	Internal
Regulatory Certification	FCC/IC, CE, Japan

Note: CE marking and declaration should be done by customer as a final product.

INNOVATOR IN ELECTRONICS