To be Discontinued

FUJITSU Component Wireless Modules
Bluetooth® Module (conforms to *Bluetooth* Smart)
MBH7BLZ01-109003, MBH7BLZ02-109004

Bluetooth Core Specification Version 4.1 (*Bluetooth* Smart) conforming peripheral "blank" modules.

Bluetooth Smart Module
RoHS compliant
"Blank" module

Overview
Bluetooth Core Specification Version 4.1 (*Bluetooth* Smart) conforming peripheral "blank" modules (separation of protocol stack and application code).

Features
- "Blank" module: user can develop own unique application codes
- Based on Nordic Semiconductor nRF51822 SoC Rev. 2
- All 31 GPIO pins are allocated to the module
- Separation of protocol stack and application code
- Assurance that the protocol stack is fully tested and can't be corrupted by application software development
- Implement your unique profiles and application code



MBH7BLZ02-109004



MBH7BLZ01-109003

Item		Specifications	
Part number		MBH7BLZ01-109003	MBH7BLZ02-109004
Antenna		None	Embedded (patterned antenna)
Bluetooth technology		Conforms to *Bluetooth* Core Specification Version 4.1 (single mode low energy radio)	
Transmit power		+4 dBM max.	
Receiver sensitivity		-88 dBM typical	
Interface		UART, SPI, I²C, GPIO	
Crystal oscillator		Embedded	
Power supply		1.9 V to 3.6 V corresponds to LDO mode	
Power consumption (current)	Tx mode	10.5mA typical (+0dBm)	
	Rx mode	13mA typical	
Operating temperature		-25ºC to +75ºC (no condensation)	
Dimensions		10.5 x 9.2 x 1.6 mm	15.7 x 9.8 x 2.0 mm
Mounting method		SMD	
Certifications		Radio Act (Japan) / QDID	FCC / IC / CE / Radio Act (Japan)/ QDID

Note: *Bluetooth* SIG registration is required to use this module's QDID.

Evaluation kit

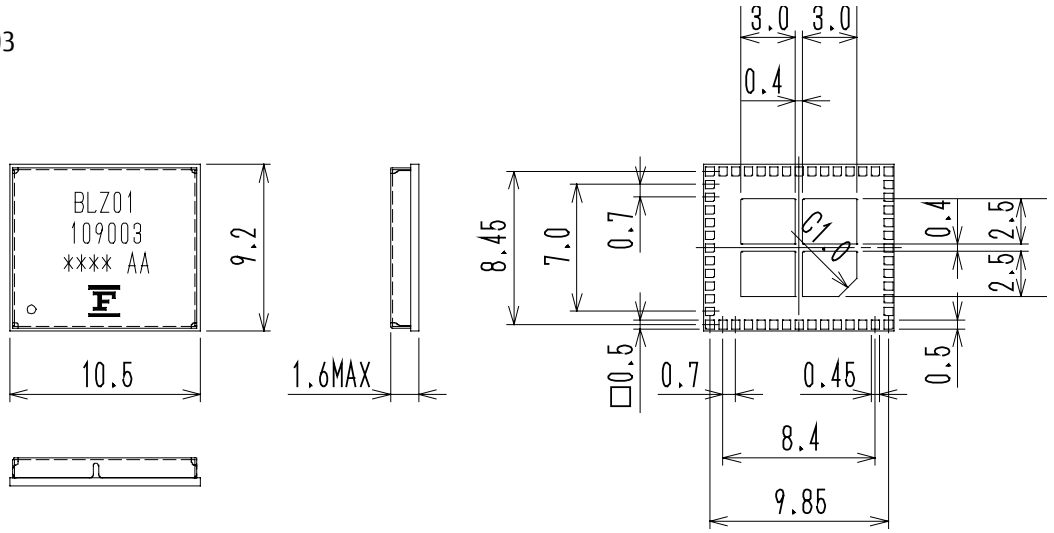
Part number	Details	MOQ
MBH7BLZ02-EB-KIT	Evaluation kit	1 set

Upper layer protocol & application development tool

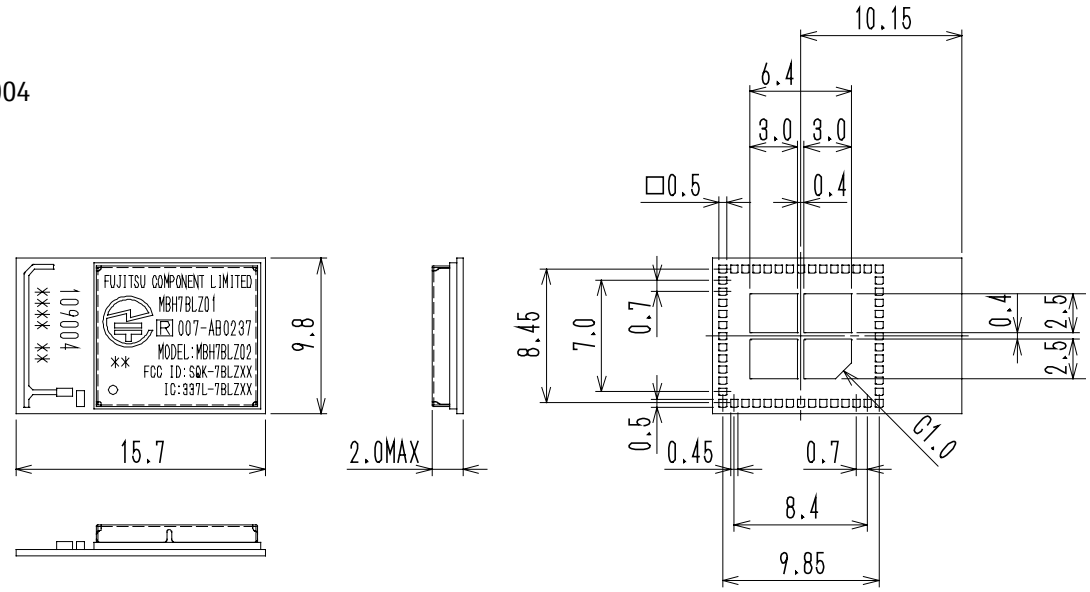
Please download* the following software from Nordic Semiconductor: www.nordicsemi.com
• Software Development Kit ('SDK')

■ Dimensions

MBH7BLZ01-109003



MBH7BLZ02-109004



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