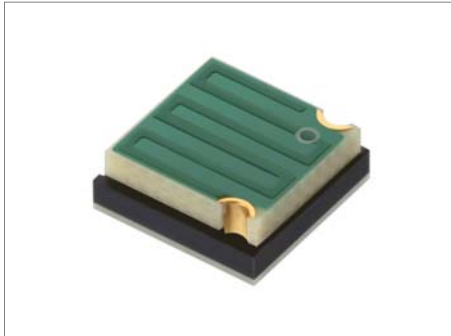


UGMZ2AA Series

Bluetooth[®] SMART Communication Module with Built-in Antenna Type

Easy-to-Use Built-in Antenna Type Leading the Industry in Compactness and Low Power[※]



Features

- Compact dimensions: 4.7 × 4.7 × 2.0mm
- Low power consumption at 5.1mA (sleep: 0.6 μA)
- Built-in antenna helps reduce the workload during equipment development and design
- Technical Conformity (Giteki) Mark, FCC and CE certification

Applications

- IoT devices, wearable computers, pen type devices, healthcare devices, energy management system (xEMS) devices

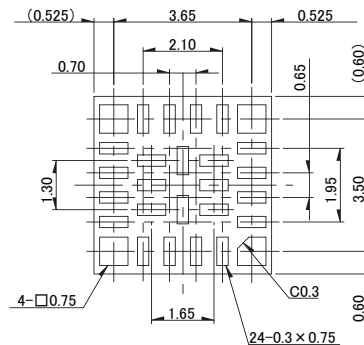
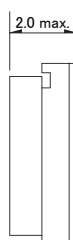
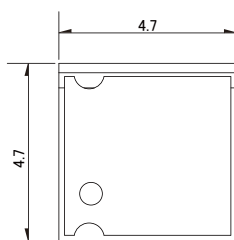
※Alps Electric research as of June 2016

Typical Specifications

Dimensions(W x D x H)	4.7 × 4.7 × 2.0 mm
Bluetooth [®] version	Bluetooth [®] Smart Ver.4.1
Power consumption	Rx : 5.1mA Sleep : 0.6 μA
Built-in crystal	Reference : 16MHz, Sub : 32.768kHz
Interface	UART, SPI, I2C

Dimensions

Unit : mm



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