

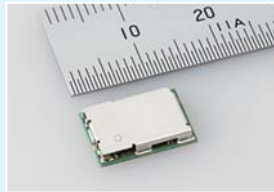
Topics

2016

April 5

Commercialization of Wireless Module Compatible with High-Speed Wireless Communication Standard

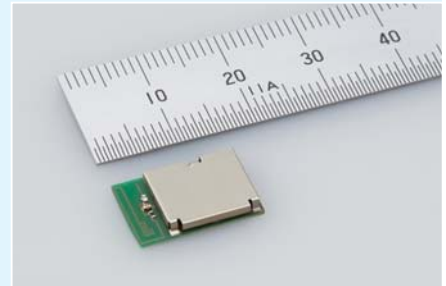
We successfully commercialized a wireless module that conforms to the IEEE802.11ac Wi-Fi standard and can utilize the 2.4 GHz and 5 GHz bandwidths. Realizing ease of connection and high-speed wireless communication in locations where heavy use is made of wireless, such as inside factories, in addition to machine-to-machine (M2M) robot controls and handy terminals, this is the optimal product for surveillance cameras.



September 28

Dual-Mode Modules Compatible Even with Low Power Consumption Bluetooth® Realized

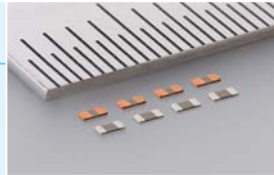
We commercialized dual-mode modules that are compatible with both Bluetooth® and Bluetooth® Low Energy communication standards and are approximately one-third of the mounting area compared with conventional models. These products are ideal for various small, thin devices intended for wearable devices and healthcare equipment, including IoT-related devices that require short-range communications.



September 27

Industry-Leading Capacitance Realized with Low-Profile Ceramic Capacitor

Intended for smartphones and wearable devices, we achieved a capacitance of 0.47 μ F at a height of 0.11 mm—the world's thinnest profile for a multilayer ceramic capacitor—by increasing the sophistication of our capacitance enhancement technologies and making the external electrodes thinner.

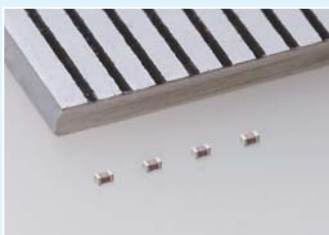


2017

February 27

World's Smallest High-Frequency Multilayer Ceramic Capacitor Realized

We succeeded in commercializing the world's smallest 0201 size (0.25 x 0.125 x 0.125 mm) high-frequency multilayer ceramic capacitor. Despite being roughly 75% smaller than our existing 0402 size capacitors, our 100-item lineup is compatible with the high-frequency circuits of devices that utilize the diverse range of telecom standards and frequency ranges that have been adopted around the world.



March 27

Automotive SMD Power Inductor with Operating Temperature of up to 150°C Commercialized

We commercialized an SMD power inductor, which is capable of withstanding operating temperatures of up to 150°C and features a vibration resistance of 30G, for the power supply circuits used in powertrains, such as automobile engines and transmissions. Furthermore, to strengthen quality control a unique Data Matrix Barcode is printed on each unit, which allows traceability throughout all processes, including production and distribution.

