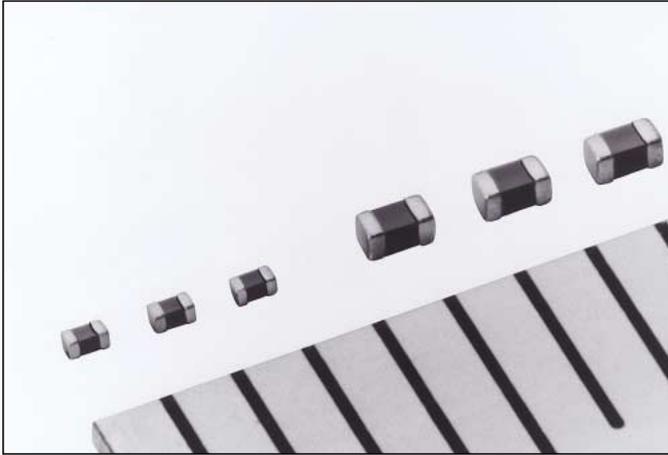


Murata's Environmentally Conscious Products

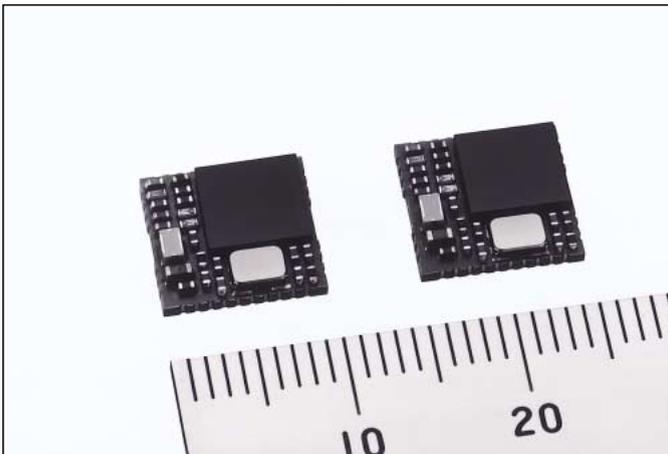
Lead Free



Ultra-Compact Chip Monolithic Ceramic Capacitors

Murata has introduced ultra-compact (0.6×0.3 mm, 1.0×0.5 mm) chip monolithic ceramic capacitors meeting the specification for lead-free electrodes. As a result, we have developed a system for supplying all our ultra-compact chip monolithic ceramic capacitors (in sizes ranging from 0.6×0.3 mm to 5.7×5.0 mm) satisfying the specification for lead-free electrodes. Moreover, the same system has been applied to thermistors and many other products. [See page 15.](#)

Compact

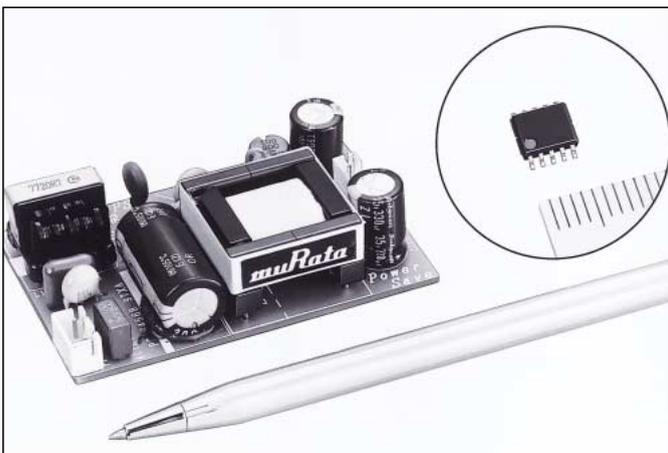


Ultra-compact Lightweight HCI Modules for Bluetooth® (Blue Modules™)

Developed with Murata's longstanding low-temperature co-fired ceramics and combining ceramic multilayer functional substrate technology and microwave circuit design technology, this module measures a mere 9.8×9.6×1.8 mm and weighs less than one gram. Boasting a roughly 40% reduction in both volume and weight, this module is much lighter and more compact than our conventional products.

As a result of this size reduction, this module contributes to a reduction in multiple environmental impacts through energy saving and reduced waste during manufacturing as well as space-saving and reduced consumption of principal raw materials.

Power Saving



Energy-saving Switching Power Supply

Murata has long been focusing on the development of a comprehensive high-efficiency power supply. Specifically, we have been marketing an energy-saving power supply with an improved standby efficiency rate thanks to the use of a proprietary circuit design that reduces standby power consumption.

With this power source, we have succeeded in limiting power loss to, for example, less than 150 mW, a mere one-tenth of the power loss of conventional devices, when 500 mW of standby power is supplied to an electronic device. This represents the lowest standby power loss in the industry.