

Shaping the future of electronics

Components, Connectivity, Sensors, Power, and more



Murata Americas

Supporting customers' design, production, and procurement requirements throughout the Americas, we have sales teams, product engineers, and business development engineers in several major hubs, including Atlanta, San Jose, Irvine, San Diego, Austin, Dallas, Chicago, Detroit, Boston, and São Paulo.

To fully meet your present and future expectations, we utilize a national network of sales representatives and authorized distributors to provide you with local and prompt responses in the areas of sales and technical support, design expertise, logistics, and supply chain programs.

Delivering value, meeting commitments

Murata's product offering is comprehensively stocked by a leading network of authorized distributors committed to following the Murata philosophy and vision of earning the trust of customers through open collaboration and delivering reliable support.

A close alignment with our sales channel partners enables Murata Americas to assure you of receiving a stable supply of products and obtaining the service and value you need to grow your business.



Resources at your fingertips



Stockcheck: Search inventory of our authorized distributors and place orders at murata.com/support/stock.



myMurata.com: Access exclusive information, advanced versions of our simulation software, and more. Register at my.murata.com.



Contact us: Our Help Desk and product experts respond immediately to general inquiries and complex application questions.



“SimSurfing”: Software that simulates the characteristics of Murata products.



Murata Plus: Register on myMurata to view examples of how Murata's products are used in actual applications.



LinkedIn: Follow us to stay informed of product introductions, company announcements, and the latest innovations from Murata.

Shaping the future of electronics

Murata continues to develop advanced technologies and high-value applications together with our customers and business partners, further strengthening our reputation as an indispensable player in the ever-evolving electronics industry and global society.

Automotive technologies



IoT connectivity



Healthcare products and equipment



Industrial applications



New and emerging energy solutions



Smart home, lighting, security, and more ...





Murata, the Innovator in Electronics®

Murata is a worldwide leader in ceramic-based passive electronic components & solutions, wireless connectivity modules, and power conversion technologies.

Since its establishment in Kyoto, Japan in 1944, Murata has contributed to the evolution of the electronics industry and the advancement of society.

Today, Murata is a global enterprise with over 100 offices worldwide. Aspiring to the slogan, “Innovator in Electronics®,” approximately 54,000 Murata employees strive every day to develop promising new technologies, “world’s first” innovations, and products shaping the future of electronics, all toward enabling our customers to realize their visions.

What differentiates Murata?

- **Innovations advancing the electronics industry and society**
- **Customer collaboration and mutual trust**
- **R&D: Continuous investment in the future**
- **Reliable support and stable worldwide supply**
- **Long-lasting relationships of trust with customers**

As our corporate philosophy states, we are committed to establishing and earning trustworthy relationships with customers and partners alike. For decades this has been a Murata trademark, and today it is one of our most important and valued assets. Customers know that we will provide new value to meet their needs, thanks to our strong technology base, advanced and large-scale manufacturing capabilities, and broad product lineup. The result is a high level of customer trust, as evidenced by our large shares in many global markets.

- **Our advanced research and development activities**

Murata is consistently developing and enhancing the company’s platform technology base with advancement in materials, process, product design, and analytical technologies. We also strive to create new markets and innovations by actively collaborating with business partners and by developing core technologies and products that anticipate the future.

- **Global and local support**

Murata utilizes an integrated system of product development, manufacturing, and sales channel support to ensure mass-production capacity and a stable worldwide supply of products and services. Over 90% of our sales come from customers outside of Japan, with many of our products having very high global market shares. With this market strength and global presence, Murata is well positioned to fully understand and satisfy customers’ current and future needs.

  **Follow Murata for the latest product announcements and company news.**

Visit us at murata.com.

Shaping the future of components,

Connectivity Modules

- Bluetooth®
- Bluetooth Smart®
- Wi-Fi®
- Wi-Fi®+ Bluetooth®
- Embedded Wi-Fi®
- LoRa®
- FHSS Radios
– 900MHz, 2.4 GHz
- IEEE 802.15.4
- Automotive, industrial, and medical grade modules



RF Components

- Baluns
- Couplers
- Front-end module
- HF coaxial connectors
- Isolators
- RF switch connectors
- SAW resonators
- Single layer microchip capacitors
- Switches
- Thin film circuit substrate RUSUB®



Filters

- Ceramic filters CERAFIL®
- Crystal filters
- Dielectric GIGAFIL®
- Dielectric GIGAFIL® – duplexers
- LC filters
- LC duplexers
- SAW filters
- SAW duplexers



Wireless Platforms

- M2M & sensor networking
- Wireless networking/telemetry
- Wireless services



Sensors

- Pyro infrared – PIR
- Ultrasonic
- Magnetic pattern recognition
- Magnetic switches – AMR
- Shock
- Rotary position
- Temp/Current – NTC/PTC thermistors
- MEMS accelerometers
- MEMS inclinometers
- MEMS gyro & combo
- Barometric pressure
- Proximity ambient light



RFID/NFC

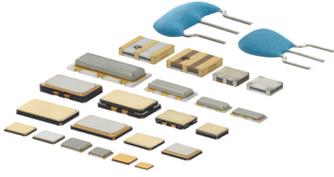
- UHF RFID tags
- NFC/HF tags
- RFID reader/writer
- NFC antennas



sensors, connectivity, power . . .

Timing

- Crystal units
- Ceramic resonators CERALOCK®
- Crystal oscillators



Sound

- Buzzers
- Sounders
- Diaphragms



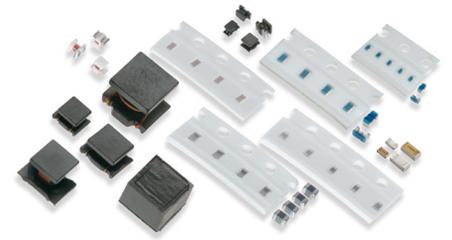
Power

- AC-DC power supplies
 - 1U Open Frame – 2x4 and 3x5
 - 1U front end
- DC-DC converters
 - Non-isolated – Point of Load
 - Single output isolated
 - Dual and triple output isolated
- μ DC-DC converters



Inductors

- RF inductors
 - Multilayer
 - Film
 - Wire-wound
- Power inductors – ferrite and metal alloy
 - Multilayer
 - Wire-wound
- Antenna coil
- Transformer



Capacitors

- MLCC
- Supercapacitor
- Polymer aluminum electrolytic
- Single layer microchip
- Variable
- Trimmer



EMI Suppression

- EMI suppression filters
- ESD protection devices
- AC line filters
- Microwave absorbers
- Ferrite core
- Common-mode choke coil



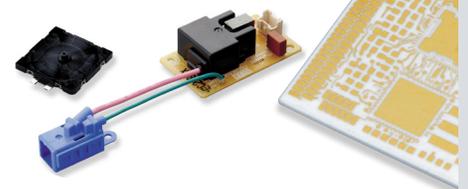
Small Energy Devices

- Cylinder type
- Thin laminate



Other/New

- Microblower
- Piezoelectric actuator
- Ionizers
- Active oxygen module – Ozonizers
- Fiber Optical Transceiver – FOT
- LTCC multilayer substrates LFC®
- Synthetic quartz
- Optical devices



Global locations

For details please visit www.murata.com



Note

1 Export Control

For customers outside Japan:

No Murata products should be used or sold, through any channels, for use in the design, development, production, utilization, maintenance or operation of, or otherwise contribution to (1) any weapons (Weapons of Mass Destruction [nuclear, chemical or biological weapons or missiles] or conventional weapons) or (2) goods or systems specially designed or intended for military end-use or utilization by military end-users.

For customers in Japan:

For products which are controlled items subject to the "Foreign Exchange and Foreign Trade Law" of Japan, the export license specified by the law is required for export.

2 Please contact our sales representatives or product engineers before using the products in this catalog for the applications listed below, which require especially high reliability for the prevention of defects which might directly damage a third party's life, body or property, or when one of our products is intended for use in applications other than those specified in this catalog.

- ① Aircraft equipment
- ② Undersea equipment
- ③ Medical equipment
- ④ Traffic signal equipment
- ⑤ Data-processing equipment
- ⑥ Aerospace equipment
- ⑦ Power plant equipment
- ⑧ Transportation equipment (vehicles, trains, ships, etc.)
- ⑨ Disaster prevention/ crime prevention equipment
- ⑩ Application of similar complexity and/or reliability requirements to the applications listed above

3 Product specifications in this brochure are as of August 2016. They are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering. If there are any questions, please contact our sales representatives or product engineers.

4 Please read rating and Δ CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

5 This catalog has only typical specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

6 Please note that unless otherwise specified, we shall assume no responsibility whatsoever for any conflict or dispute that may occur in connection with the effect of our and/or a third party's intellectual property rights and other related rights in consideration of your use of our products and/or information described or contained in our catalogs. In this connection, no representation shall be made to the effect that any third parties are authorized to use the rights mentioned above under licenses without our consent.

7 No ozone depleting substances (ODS) under the Montreal Protocol are used in our manufacturing process.

Murata Manufacturing Co., Ltd.

www.murata.com

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