

# Murata's business

Murata creates unique products and provides cutting-edge electronic components for all sorts of electronic devices in everyday life, including smartphones and PCs. Murata holds a large market share in a wide range of products, from our mainstay capacitors to inductors (coils), filters, lithium-ion batteries, sensors, and other components, and modules comprised of these components.

As an innovator in the electronics industry, we will continue to provide new value in the expanding business opportunities such as communications, mobility, environment and wellness, and contribute to the enrichment of society.

## Murata products



### Multilayer ceramic capacitors

Indispensable to electronic circuits, these components serve to store and adjust flows of electricity.

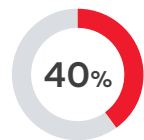
Murata's global share



### Noise suppression products EMI suppression filters

These components eliminate electromagnetic noise and protect delicate electronic circuits.

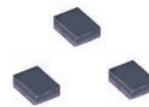
Murata's global share



### Radio frequency (RF) inductors

Electronic components that are used in exchanging high-frequency signals, such as wireless signals in smartphones.

Murata's global share



### SAW filters

The filters that extract only the required portion of a radio signal are key devices in high-frequency circuits.







Murata's global share



\* The global market share of our main products is just our estimate. It may vary depending on the market and usage.

## The number of products required

(単位: 個)

Product name	Smartphone 	Laptop PC 	Tablet PC 	Automobile 	Digital television 	Smartwatch 
Multilayer ceramic capacitors (MLCCs)	1,000	800	600	5,000-8,000	600	350
EMI suppression filters (EMIFIL®)	60	60	90	270-400	50	30
Inductors (coils)	300	30-50	200	400-500	30	30-50
SAW filters	4-70	—	4-70	0-30	—	0-30
Multilayer LC filters (filters, couplers, baluns, etc.)	2-20	2-4	2-20	2-8	2	3-6

\* Our estimate. The above figures are the number required per unit and not the number of our products used.

Sales by product for fiscal 2022

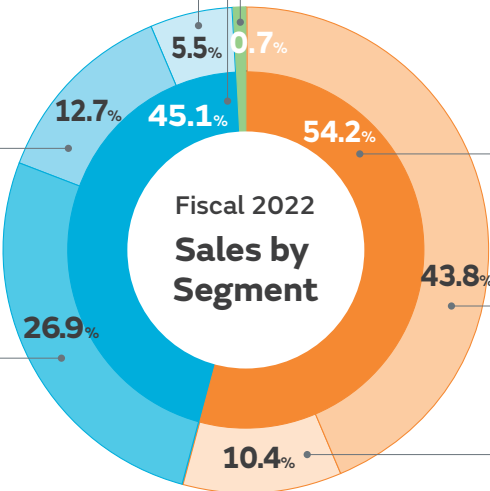
Devices/modules

761.0 billion yen

**Functional devices** ▶P.54  
Sensors, timing devices (resonators), etc.  
92.8 billion yen

**Battery and power supply** ▶P.53  
Lithium-ion secondary batteries, power supply modules  
214.6 billion yen

**High frequency devices and communications modules** ▶P.49  
Connectivity modules, RF modules, SAW filters, multilayer resin substrates (multilayer LCP product), etc.  
453.6 billion yen



Others

Solution business, medical products, machinery manufacturing, etc.  
▶P.55  
11.7 billion yen

Components

914.2 billion yen

**Capacitors** ▶P.47  
Multilayer ceramic capacitors, etc.  
738.8 billion yen

**Inductors/EMI filters** ▶P.48  
Inductors and EMI suppression filters  
175.3 billion yen

Communications

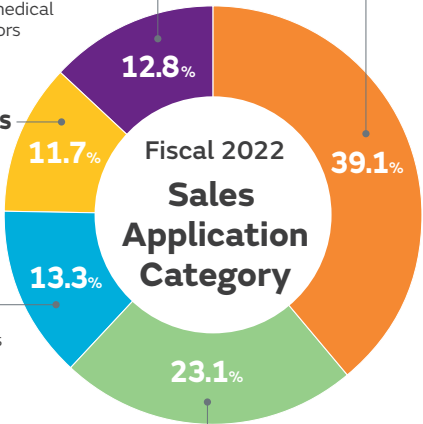
Smartphones, wearable devices, and base stations  
659.2 billion yen

**Industry and others**  
Industrial equipment, medical products, and distributors  
214.8 billion yen

**Home appliances**  
Power tools (gardening tools, etc.) and audiovisuals  
197.8 billion yen

**Computers**  
PCs, servers, and HDDs  
224.7 billion yen

**Mobility**  
Automobiles  
390.2 billion yen



Greater China

842.6 billion yen

Asia and others

265.3 billion yen

Japan

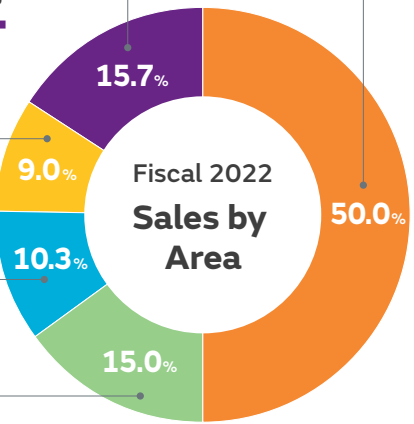
152.2 billion yen

Europe

173.9 billion yen

The Americas

252.8 billion yen



Segment performance for fiscal 2022 (US-GAAP)

	Net sales*	Operating income	Operating income / net sales	ROIC (pre-tax basis)*
Components	924.4 billion yen	280.1 billion yen	30.3%	24.0%
Devices/modules	761.0 billion yen	20.6 billion yen	2.7%	2.5%
Others	74.6 billion yen	-2.8 billion yen	-3.8%	—
Elimination	-73.1 billion yen	—	—	—
Consolidated total	1,686.8 billion yen	297.9 billion yen	17.7%	14.6%

\* Net sales include inter-segment sales.  
\* ROIC (pre-tax basis) = Operating income / Invested capital (Property, plant and equipment + Inventories + Trade accounts receivable - Trade accounts payable)

Global network (as of March 31, 2023)

Number of companies	Number of employees	Ratio of sales outside of Japan to net sales	Domestic production ratio Approx.
88	73,164	90% or higher	65%

