

At a Glance

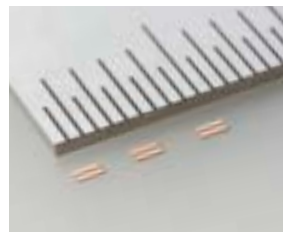
Capacitors

Major Products

Multilayer ceramic capacitors



0201 size (0.25mmx0.125mm) ultra-small multilayer ceramic capacitors



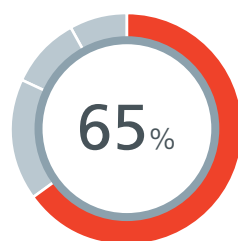
Ultra-thin multilayer ceramic capacitors (0.6mmx1.0mm) with 0.064mm thickness



4532 size (4.5mmx3.2mm) small high-capacitance multilayer ceramic capacitors with 1,000µF capacitance

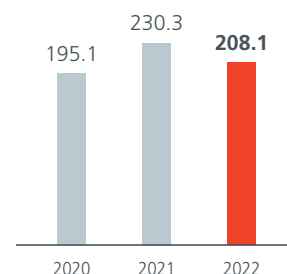
Net Sales Breakdown by Product Classifications

(FY2022)



Net Sales

(Billions of yen)



We are focusing on the development of multilayer ceramic capacitors (MLCCs) that are small and thin with high capacitance and high reliability. We are also continuing the development of cutting-edge multilayer ceramic capacitors by advancing our dielectric materials technologies, thin-film and high-capacitance technologies, and ultra-small capacitor production technologies.

In FY2022, sales for automobiles increased compared with the previous fiscal year, but sales of consumer equipment, information equipment, communication equipment, and IT infrastructure/industrial equipment decreased. As a result, net sales decreased 9.7% year on year to ¥208,115 million.

Market Needs

- The increase in demand for high reliability products and large-sized products for automobiles and IT infrastructure/Industrial equipment accelerated

Strengths of TAIYO YUDEN Group

High reliability

Downsizing

Front runner in high capacitance products

Decentralization of production bases

Growth Strategies

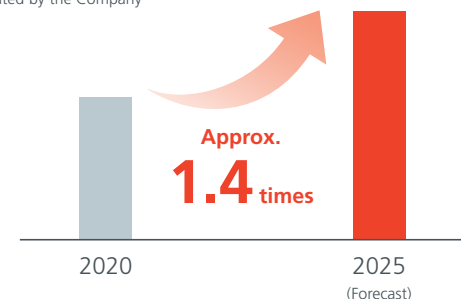
Focus on high-value-added zones by drawing on industry-leading technological expertise

Expand production capacity in response to changes in medium-term demand forecasts

- Make some changes to the capacity expansion plan
- Increase supply capacity by accelerating the strengthening of the capacity of high-reliability and large-sized products
- Average unit prices rose due to an increase in the proportion of large-sized products

Demand forecast for MLCC (Volume)

*Estimated by the Company



Strengthen the product appeal of highly reliable MLCCs

- Develop products matching the needs of automobiles and IT infrastructure/industrial equipment through the application of elemental technologies and utilization of external electrode technology

Inductors

Major Products

Wire-wound inductors



Wire-wound metal power inductors MCOIL™



Wire-wound ferrite power inductors

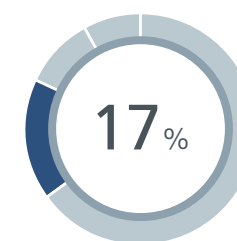
Multilayer inductors



Multilayer metal power inductors MCOIL™

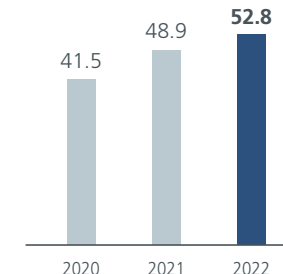
Net Sales Breakdown by Product Classifications

(FY2022)



Net Sales

(Billions of yen)



In addition to small, thin inductors with high current, we are working on the development of large, high-reliability inductors targeted at automotive and IT infrastructure applications. We are also developing competitive products by bringing about even greater sophistication in our development of metal materials and other materials, as well as in our wire-winding and multilayer process technologies.

In FY2022, while year-on-year sales for IT infrastructure/industrial equipment decreased, sales for consumer equipment, information equipment, communication equipment, and automobiles all increased. As a result, net sales increased 8.1% year on year to ¥52,866 million.

*"MCOIL" is a registered trademark or a trademark of TAIYO YUDEN CO., LTD. in Japan and other countries.

Market Needs

- The demand for inductors compatible with large currents increased as a consequence of the improved performance of electronic equipment and electrification of and installation of electrical equipment in automobiles

Strengths of TAIYO YUDEN Group

An abundant lineup of power inductors built on advanced elemental technologies

Growth Strategies

Increase competitive advantage in power inductors
Improve profitability by improving item mix

Diversify our markets and customer base

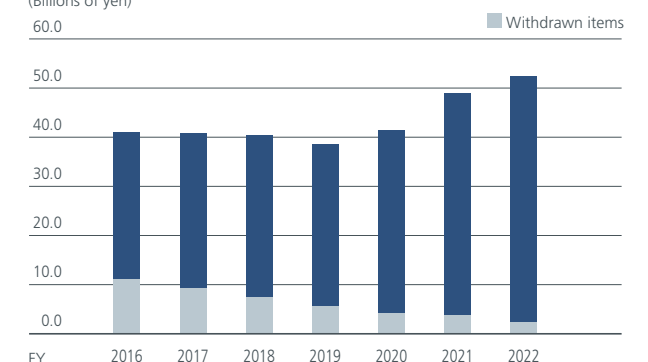
- Expanding into the fields of smartphones, IoT, automotive, and IT infrastructure/industrial equipment
- Increased sales of inductors using metal materials

Material	Structure	
	Multilayer	Wire-wound
Metal (MCOIL™)	Smartphone Smart watch PC/Tablets Smaller products by our original metal and multilayer technology Expand into ADAS	Smartphone PC/Tablets HDD/SSD Expand product line-up for automobiles
Ferrite	(Shift to metal)	Automotive IT infrastructure/ Industrial equipment Expand sales in high reliability market

Improve product mix and shift to a more profitable structure

Net sales

(Billions of yen)

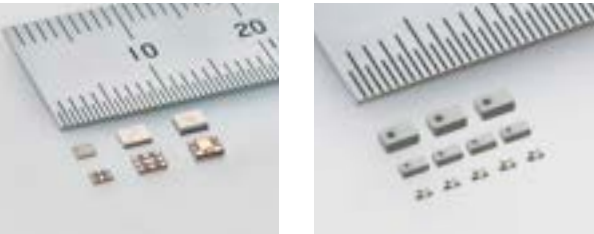


At a Glance

Integrated Modules & Devices

Major Products

Communication devices



FBAR/SAW devices for mobile communications
Multilayer ceramic filters

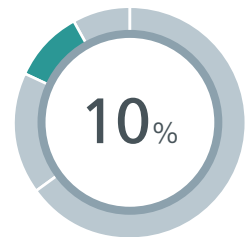
Circuit modules



Regenerative electric assist system
(for electric assist bicycles)

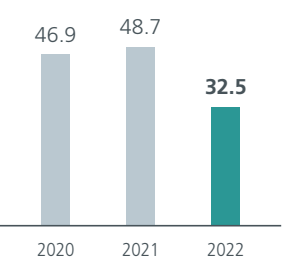
Net Sales Breakdown by Product Classifications

(FY2022)



Net Sales

(Billions of yen)



We are promoting the development of communication devices compatible with broadband and the development of next-generation products suitable for high frequencies.

In FY2022, year-on-year sales of FBAR/SAW devices for mobile communications and circuit modules decreased. As a result, net sales decreased 33.2% to ¥32,581 million.

*“TLSAW” is a registered trademark or a trademark of TAIYO YUDEN CO., LTD. in Japan and other countries.

Communication devices

Market Needs

■ In addition to smartphones, our main market, expand adoption in telematics, machine-to-machine (M2M), and the IoT

Connected car
e-Call (automated emergency call system), etc.

Smart meter

Security equipment

POS system

Strengths of TAIYO YUDEN Group

Ensure excellent high-reliability characteristics with element material technology and robust package structure

- TLSAW™ (Element technology)...Low loss, wide band, and steep
- HPDP (Packaging technology)...Low profile and high reliability

Growth Strategies

Pursue high-value-added businesses by making use of original technologies

- Expand sales for automobiles and IT infrastructure/industrial equipment
- In addition to discrete sales to smartphone manufacturers, aim for development for module applications

Circuit modules

Market Needs

- Smart mobility society

Strengths of TAIYO YUDEN Group

Energy regeneration assist system

- Developed an in-house system to be mounted on electric-assisted bicycles

Growth Strategies

Improve profitability through selection and concentration

- Concentrate our efforts on the regenerative electric assist system to contribute to the realization of a smart mobility society
- Other module business to be transferred, scaled down or withdrawn. Reallocate resources.

Others

Major Products

Aluminum electrolytic capacitors

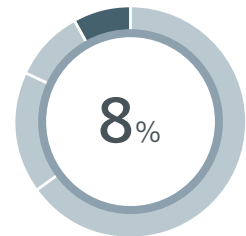
Power storage devices



Conductive polymer hybrid aluminum electrolytic capacitors
Electric double-layer capacitors

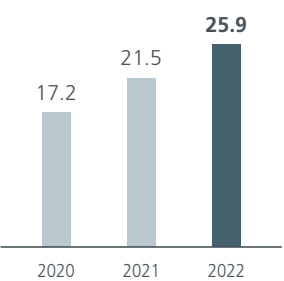
Net Sales Breakdown by Product Classifications

(FY2022)



Net Sales

(Billions of yen)



We are concentrating our efforts on the development of conductive polymer hybrid aluminum electrolytic capacitors for the focus markets and the creation of solutions which contribute to solving social issues.

In FY2022, we recorded increased year-on-year sales of aluminum electrolytic capacitors, primarily for automobile use. As a result, net sales increased 20.5% year on year to ¥25,941 million.

Market Needs

—Conductive polymer hybrid aluminum electrolytic capacitors—

- Demand for automobiles is growing rapidly due to the adoption of xEVs, electrification of powertrains, and advancement of ADAS

Strengths of TAIYO YUDEN Group

—Conductive polymer hybrid aluminum electrolytic capacitors—

Meet customer needs with a wide range of product lineup

- High reliability, large current, and low noise
- A wide range of large-sized and high-capacity products

case size	TAIYO YUDEN (ELNA)	Company A	Company B	Company C
Φ 5 × 5.8	●	●		●
Φ 6.3 × 5.8	●	●	●	●
Φ 6.3 × 7.7	●	●	●	●
Φ 8 × 8.7	●			
Φ 8 × 10	●	●	●	●
Φ 10 × 8.7	●			
Φ 10 × 10	●	●	●	●
Φ 10 × 12.5	●	●	●	●
Φ 10 × 16.5	●	●		●
Φ 12.5 × 13.5	●			
Φ 12.5 × 16.5	●			

Growth Strategies

—Conductive polymer hybrid aluminum electrolytic capacitors—

Expand sales in high-value-added markets, especially automobiles

Increase production capacity to meet growing demand in automotive market

- Build an efficient integrated domestic system from product development to production to increase production capacity

Demand forecast for conductive polymer hybrid aluminum electrolytic capacitors (Volume)

*Estimated by the Company

