

Market Environment and Business Development

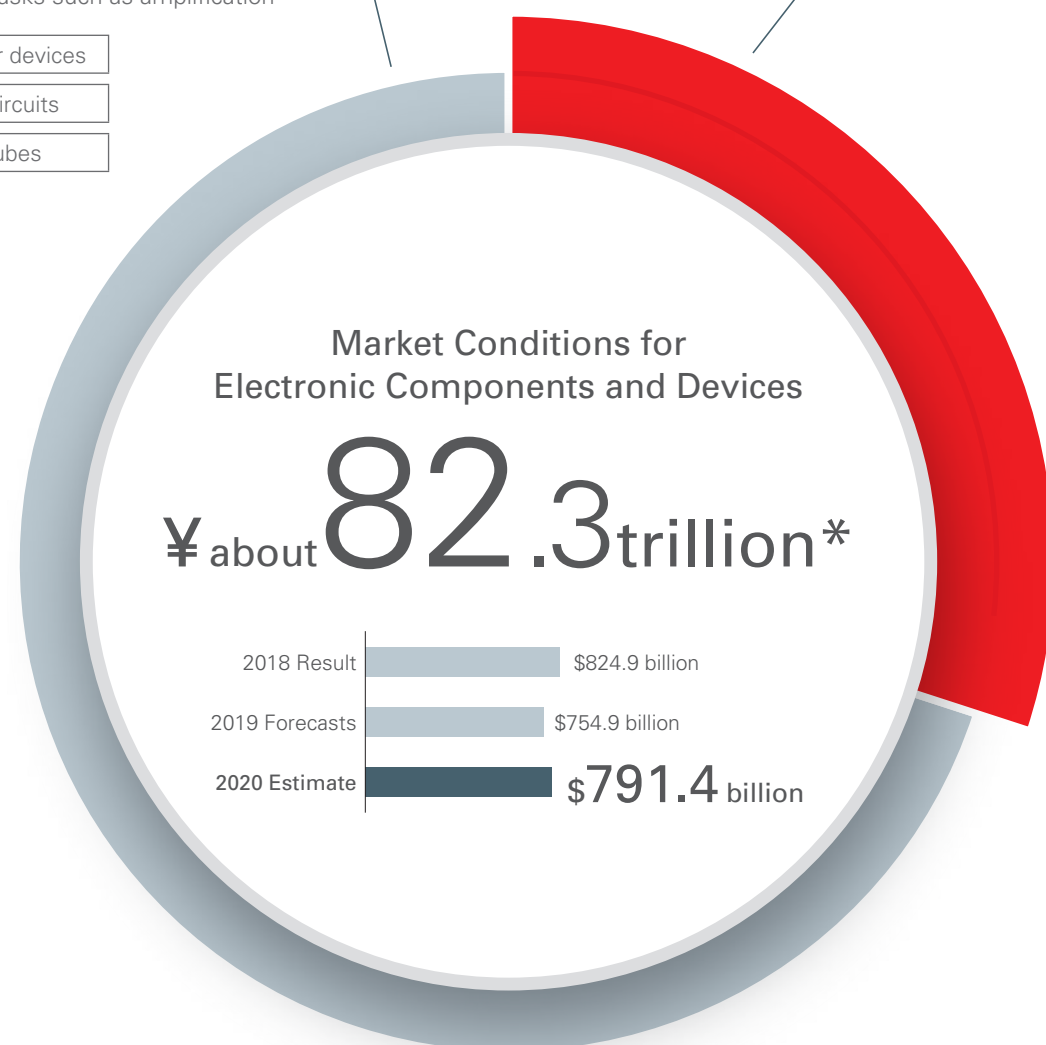
Continued Growth in Needs as a Result of Greater Electronics Use

Needs for electronic components are expanding, and actual demand, although in varying degrees, is exhibiting an upward trend due to the proliferation of smart-phones and the greater use of electronics in automobiles and other products that had remained free of electronics until now.

Electronic devices ¥ about **58.3 trillion***

Devices that apply functions of electrons to perform active tasks such as amplification

Semiconductor devices
Integrated circuits
Electron tubes



* The estimate as of 2019 (dollar-based) calculated using the average exchange rate for 2019 (1 dollar = ¥109.0).

Note: Figures from 2019 Production Forecasts for the Global Electronics and Information Technology Industries, Japan Electronics and Information Technology Industries Association (JEITA); the electronic components and devices category is as defined in JEITA's statistical breakdown of global electronic component shipments

General electronic components

¥ about **24.0 trillion***

Components that work with and supplement electronic devices

Passive components

These devices store, control, separate, and perform other tasks on the flow of electrons supplied

Capacitors
Inductors
Resistors
Transformers
Others

Capacitor market size

2018 Result	¥2,570.0 billion
2019 Forecasts	¥2,370.0 billion
2020 Estimate	¥2,420.0 billion
2023 Estimate	¥3,010.0 billion

Source: Annual of Electronic Devices & Components 2020, Chunichisha Co., Ltd.

Connecting components

These devices connect, switch, and perform other tasks on electronic circuits and systems

Switches
Connectors
Others

Transducers

These devices create sounds, torques, magnetic flux, and others

Electro-acoustic transducers
Compact motors
Others

Other electronic components

High-frequency components
Mobile communication devices (FBAR/SAW)
Power-supply components

TAIYO YUDEN's business domains