

# The **POWER** of Fuji Electric Semiconductors

## Advanced Semiconductor Performance and Reliability

Fuji Electric provides Power Semiconductors enabling high-efficiency energy usage in various fields such as industrial machinery, automobile, railroad, social infrastructure, renewable energy, consumer electronics and information equipment in order to achieve a de-carbonized society. Fuji Electric Power Semiconductors are key devices in Power Electronics technology.

### Semiconductors for Your Applications



Learn more about the industries we serve!

### Solutions Video & Digital Datasheets



Check our updated video library!

#### IGBT Key Features

- Achieves guaranteed continuous operation at  $T_{vj}(op) = 175^{\circ}C$
- Reduces inverter loss by 10% and lower chip temperature by  $11^{\circ}C$
- Increased rated current with RC-IGBT technology

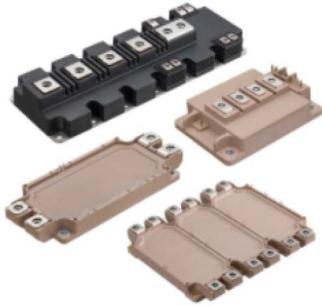
#### Fuji Fun Facts

##### Did you know...

Semiconductors keep your production line moving? Fuji Electric offers rugged and reliable IGBT modules that keep you welding operations running at peak levels.

# Power Semiconductors

Semiconductors play a critical role in the fabrication of electronic devices, making them an important part of our everyday lives. Over the past 50 years, advancements in semiconductor technology have helped make electronic devices smaller, faster, and more reliable. Fuji Electric is proud to be at the forefront of these innovations, offering high-performance power semiconductors for energy, automotive, information technology, and industrial applications.



**IGBT Modules**



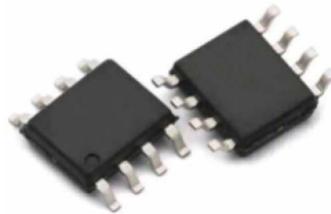
**Discrete IGBT**



**SiC Devices**



**Power MOSFETs**



**Power Supply  
Control ICs**



**Rectifier Diodes**