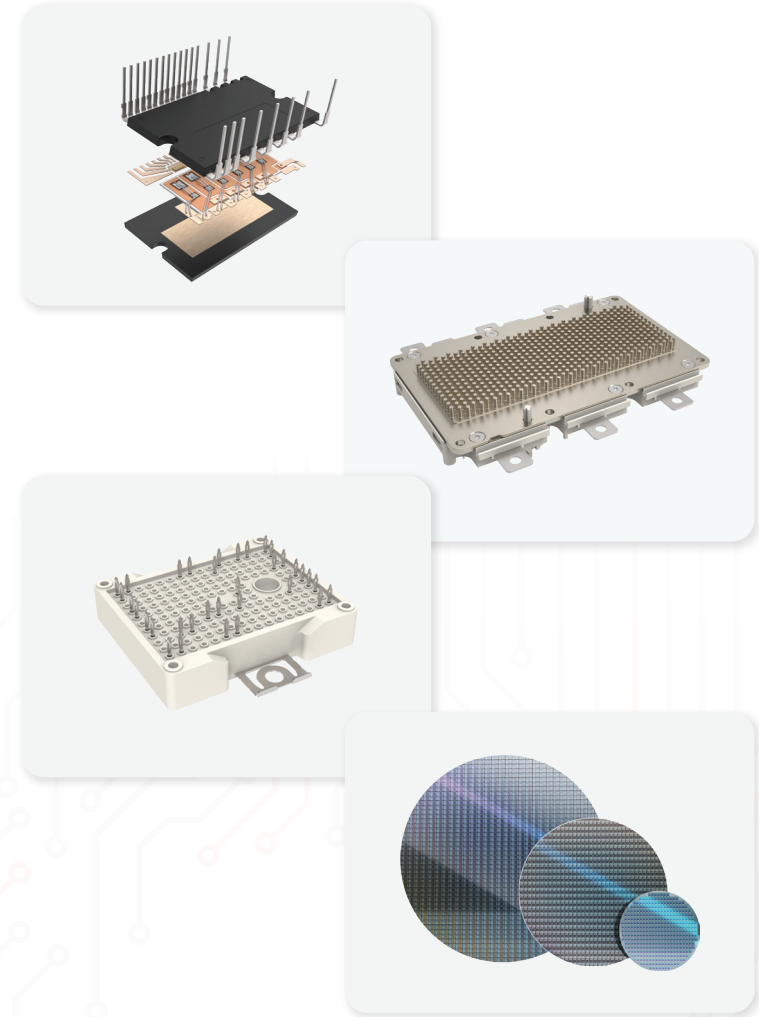


Technology



Worldwide best quality power module technology

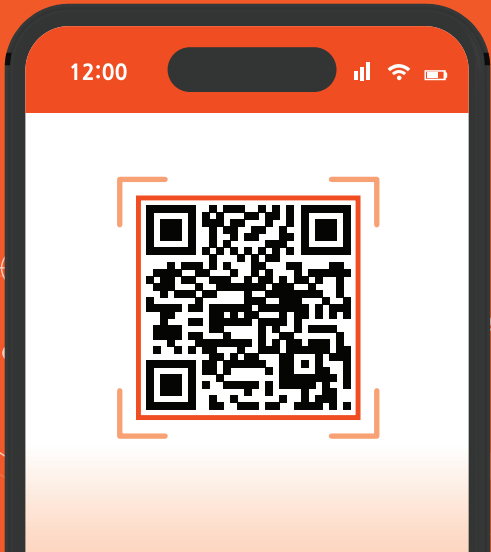
- HVIC and LVIC based on our own intellectual property (IP).
- Low EMI and low loss; best-in-class ruggedness and power density.
- High-quality technical support for customers, from assembly to troubleshooting.
- Expanding and evolving to Silicon Carbide (SiC) based Intelligent Power Modules (IPM).
- Expanding and evolving into the industrial and automotive sectors.



3F, silicon park bldg.,
#35 pangyo-ro 255gil,
bundang-gu Gyeonggi-do Korea



Visit Raonsemi's website for more information.



Power modules
for a green future

History

2021

- DEC. Start power module business
Established the company.

2022

- Development 30A/650V, 40A/650V GPM3.
- Development 30A/650V, 50A/650V GPM2.
- Development own IP based HVIC / LVIC

2023

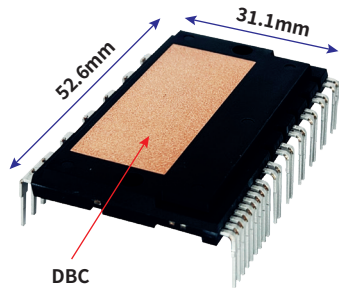
- Customer Sample release
30A/ 40A/ 50A/ 650V of GPM2, GPM3
- Developed own IP based HVIC / LVIC
- Launched the development of 15A 650V GPM5.
- Acquired ISO 9001 / 14001 certification.

2024

- Released 20A/30A/40A/50A 650V of GPM2, GPM3 and 10A/15A/20A/20A 650V GPM5
- Development own IP based 1200V HVIC/LVIC. Acquired UL1557 Certification

GPM2

Safe and Superior Heat Dissipation



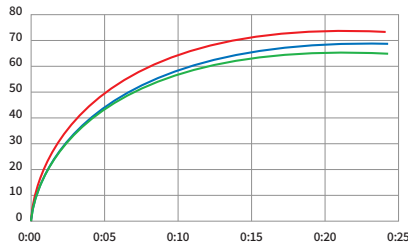
Line-up

Products	BV	Current
RSN23007F	650V	30A
RSN25007F		50A
RSN21012F*	1200V	10A
RSN21512F*		15A
RSN22512F*		25A
RSN23512F*		35A

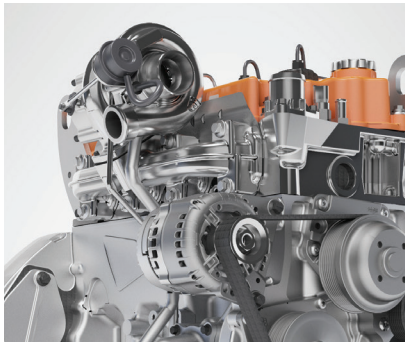
*under development

Features

- Short-circuit rated FS IGBTs
- Low power losses and thermal resistance with DBC
- Built-in Bootstrap Diodes
- Protection functions (UV, SC)
- LVIC temp. output



30A peak, cooling Fan



Turbocharger



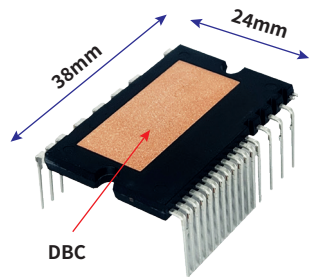
Servo drive



Industrial Robot

GPM3

The highest efficiency



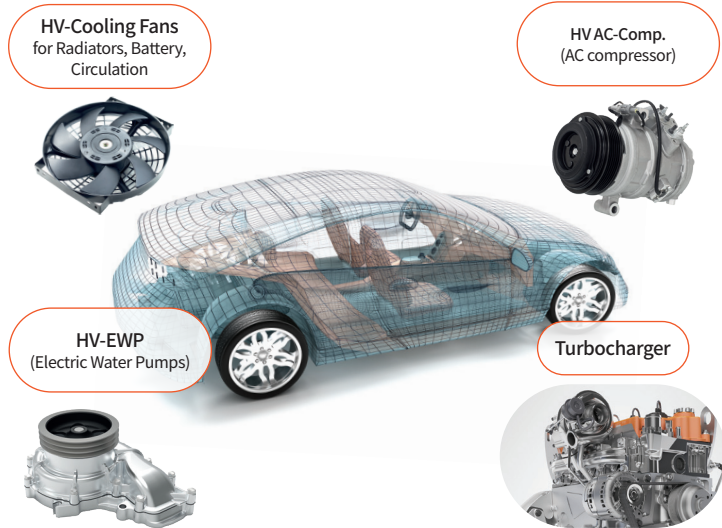
Line-up

Products	BV	Current
RSN34007F(T)	650V	40A
RSN33007F(T)	650V	30A
RSN32007F(T)	650V	20A

Features

- Short-circuit rated FS IGBTs
- Low power losses and thermal resistance with DBC
- Built-in Bootstrap Diodes
- Protection functions (UV, SC, OT or LVIC temp. output)

Automotive



Industry

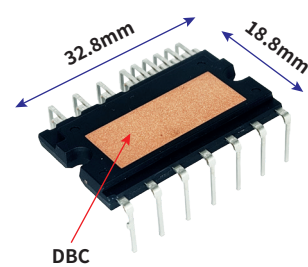


Home



GPM5

Most Compact and Precise



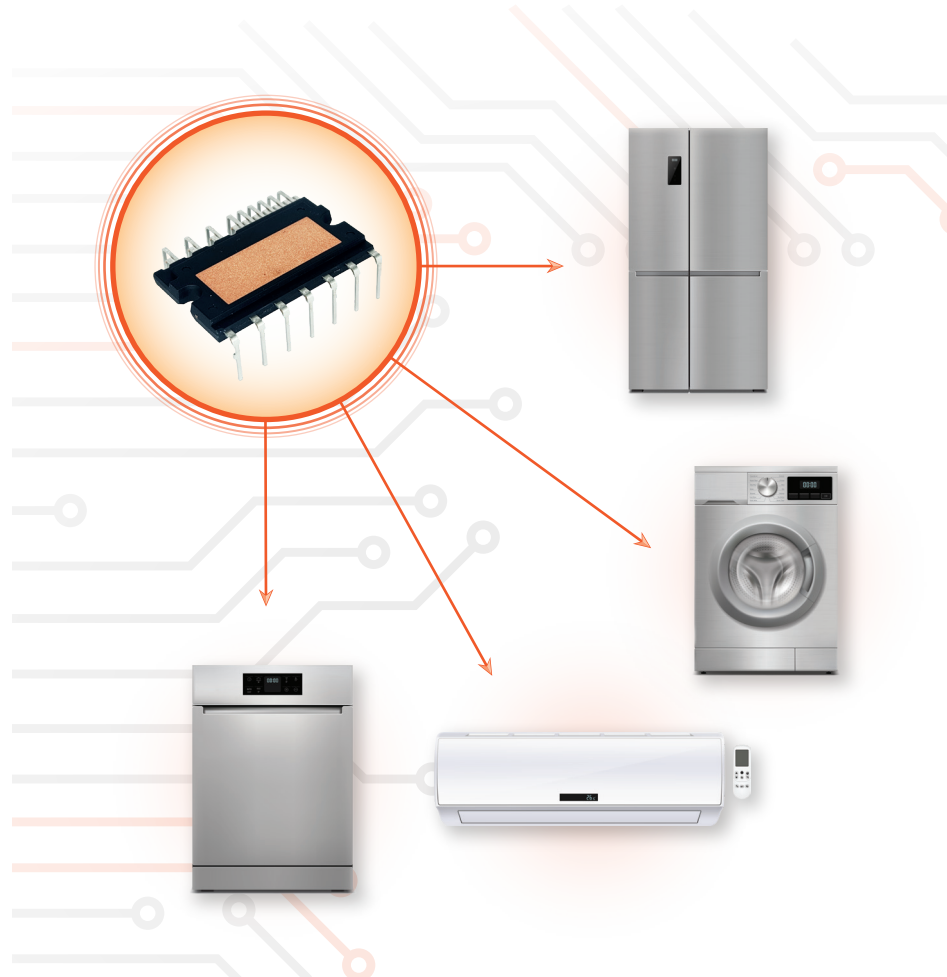
Line-up

Products	BV	Current
RSN53007FT	650V	30A
RSN52007FT	650V	20A
RSN51507FT	650V	15A
RSN51007FT	650V	10A

Features

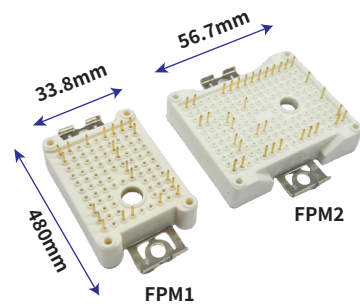
- Short-circuit rated FS IGBTs
- Low power losses and thermal resistance with DBC
- Built-in Bootstrap Diodes
- Protection functions (UV, SC, OT)
- LVIC temp. output

Home appliances



FPM1, FPM2

Most Compact and High Power Density



Line-up

Family	Products	BV	Current
FPM1	RSPP1012FW1*	1200V	10A
	RSPP1512FW1*		15A
	RSPP2512FW1*		25A
FPM2	RSPP2512FW2*	1200V	25A
	RSPP3512FW2*		35A
	RSPP5012FW2*		50A

*under development

Features

- Short-circuit rated FS IGBTs
- CIB (Converter, Inverter & Breaker) type with NTC
- Compact design, High power density
- Al2O3 substrate with low thermal resistance

Industry

