

1200 V MONOLITHIC SILICON RC SNUBBER

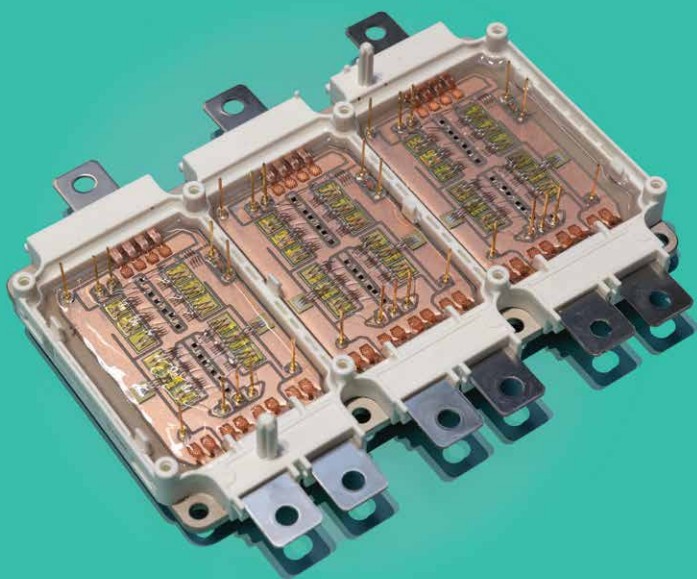
Experience the efficiency and flexibility of our novel Si-RC snubbers, offering factory-selectable R and C values for precise surge voltage suppression. These fully integrated components, rated up to 1200V, are designed for seamless integration into your power modules, facilitating higher switching frequencies and maximizing the potential of wide bandgap semiconductor devices.



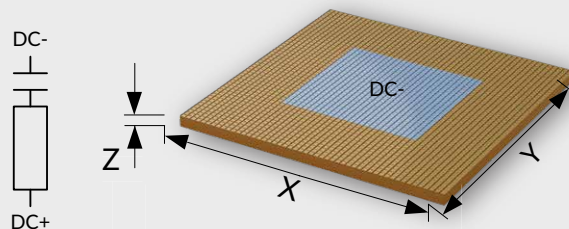
Key benefits

- ✓ Suppress voltage surges
 - Improves system reliability
 - Enables higher DC-link voltage
 - Allows faster switching frequency
- ✓ Optimize system integration in power modules
 - Backside metalization for sintering and soldering
 - Optimizes power transistor count and power density
- ✓ Cost effective
 - Eliminates the need for ultra-low inductance design
 - Fully integrated
 - Facilitates EMC compliance

Power module



Targeted specification



Parameter	Symbol	Value
Capacitance Range	C	0.2 - 5.8 nF
Resistance Range	R	1 - 35 Ω
Dimensions	X, Y	1.5 - 5 mm
Thickness	Z	max 640 μ m
Operating voltage	V_{smax}	1000 V _{DC}
Peak operating voltage	V_{pk}	1200 V
Operating temperature	T_{op}	-40..150 - 200 °C

Table - preliminary data. We reserved the right to change without notification.

Applications

- High frequency switching power converters
- Electric Vehicle power converters and traction inverters
- Photovoltaic power converters



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