Ultra-fast Switching, Rugged 600V High Frequency IGBTs

CooliRIGBT™ Gen 1 are designed to be used in a wide range of fast switching applications for electric (EV) and hybrid electric vehicles (HEV) including on-board DC-DC converters, and battery chargers.

Features:
- Switching frequencies up to 200kHz
- 600V rated devices with a short circuit rating of > 5µs
- Low $V_{CE(on)}$
- Positive $V_{CE(on)}$ temperature coefficient making the parts suitable for paralleling
- Square Reverse Bias Safe Operating Area
- Automotive qualified
- $T_j$ max of 175°C
- Rugged performance
- Designed specifically for automotive applications and manufactured to the 0PPM initiative

CooliRIGBT™ offers 50% higher current than super junction MOSFETs

Manufacturability
Switching Frequency
Losses At High Currents

for more information call 1.800.981.8699 or visit us at www.irf.com