

GaN FET Drivers

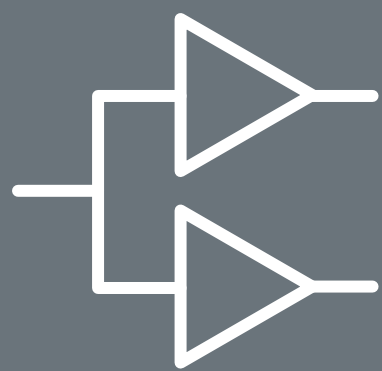
Half-bridge FET drivers for GaN FETs

Based on a unique SOI technology (minimal parasitics)

Half-bridge and full-bridge EVKs available

Applications

- LiDAR
- DC-DC converters
- Wireless power
- Class D audio
- Motor control



LED Boosts



>94% peak efficiency, >90% efficiency across typical display luminance range

- Longer battery run time
- Better thermal performance



Ultra small solution size (>40% smaller compared to conventional solutions) + low profile design



Synchronous LED boost with built-in output disconnect switch

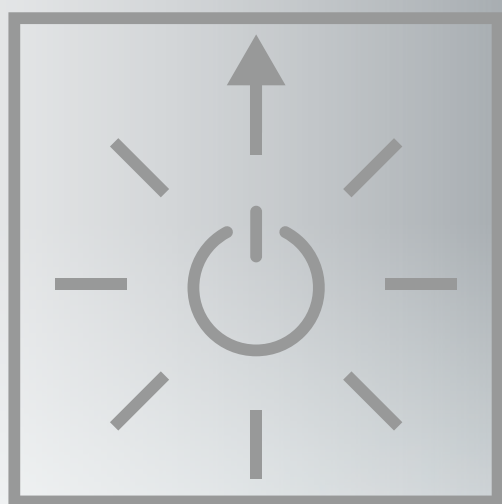


Extensive protection including OCP, OVP and SCP



Up to 15-bit dimming resolution via I²C and/or PWM:

- Analog, PWM, hybrid
- Linear or logarithmic
- Phase shifted between active strings



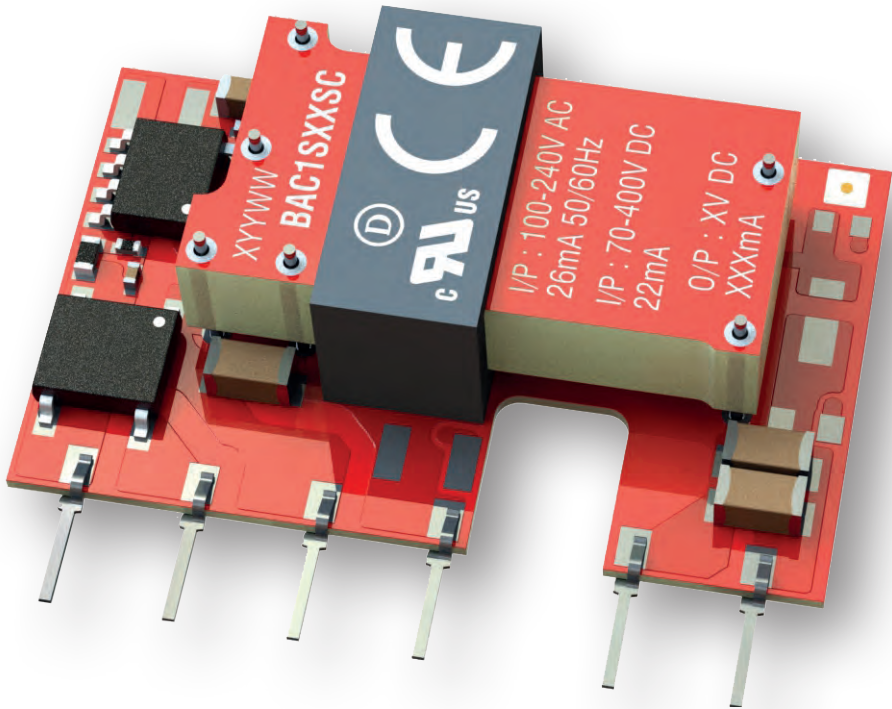
PicoBK™ DC-DC Converters

- Ultra-small footprint
- Low noise
- Excellent thermal dissipation
- Several package options
- Easy power circuit design



AC-DC Converters

BAC1



- Ultra-low standby power
-20mW for BAC1
- Medical certification for
1MOPP
- Operation up to +85°C in
a sealed box environment
- Operation from -40°C

BAC1 Board Space

