

GaN Power Supply

GaN device advantages

GNC1007TA (100V / 7mΩ)



Features

- High efficiency +high frequency
- Energy-saving

Applications

- 48V to1V POL (Point of Load) converters for servers, telecom, and industrial

GaN Power Supply

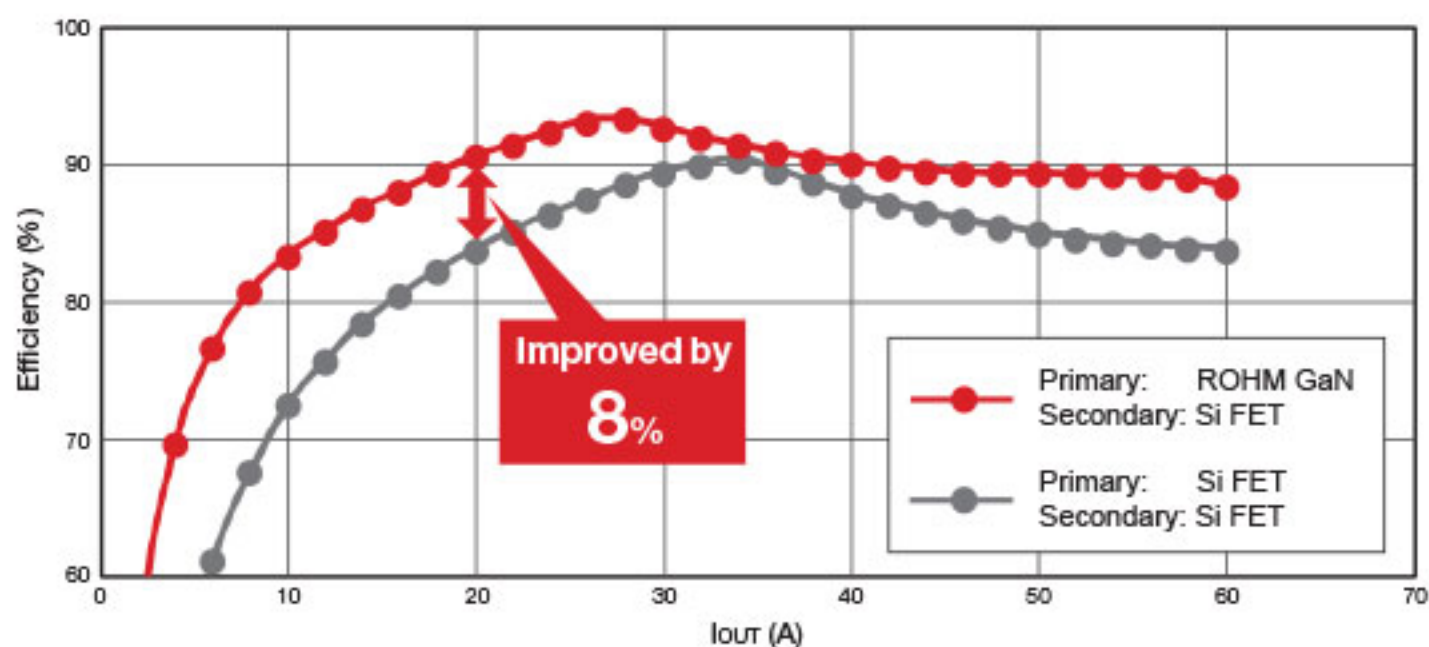
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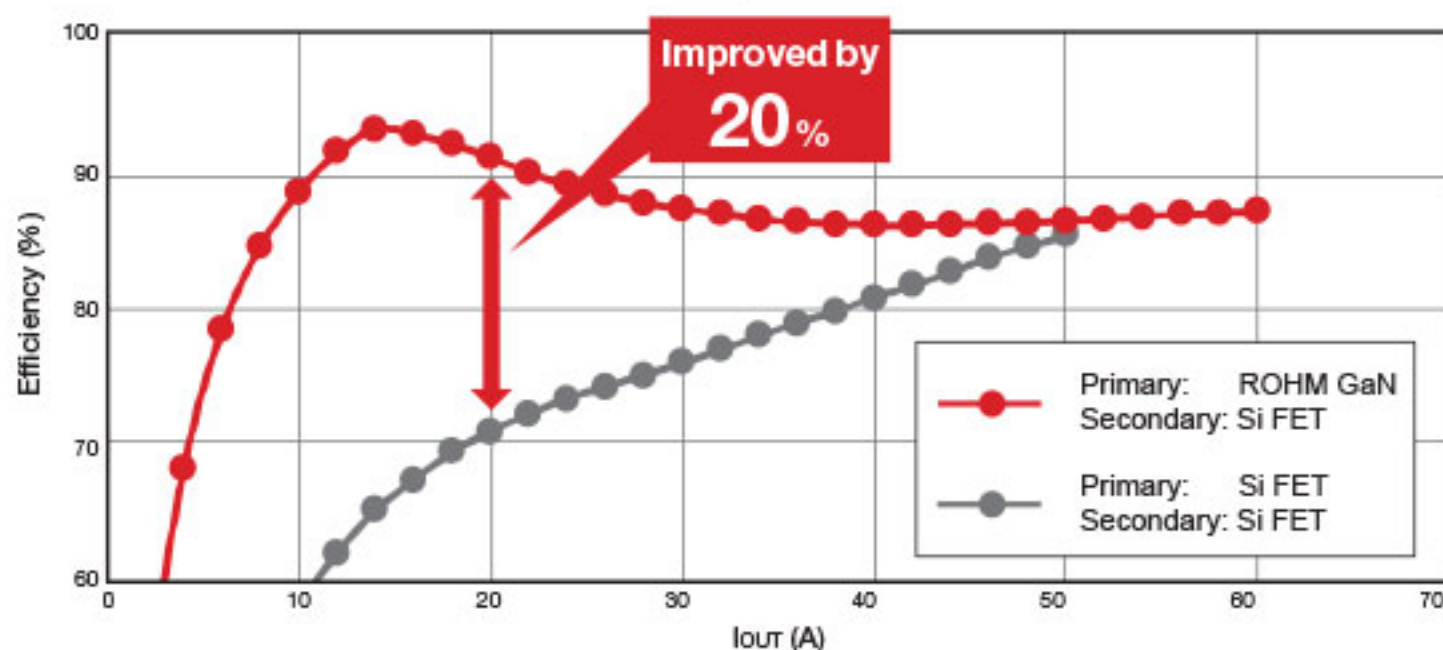
APEC

Evaluation board efficiency

Efficiency at 400kHz



Efficiency at 800kHz



Conditions: Full bridge with current doubler rectifier /
 F_{sw}=400kHz to 800kHz / Input : 54V → Output : 0.6V - 1.3V 60A

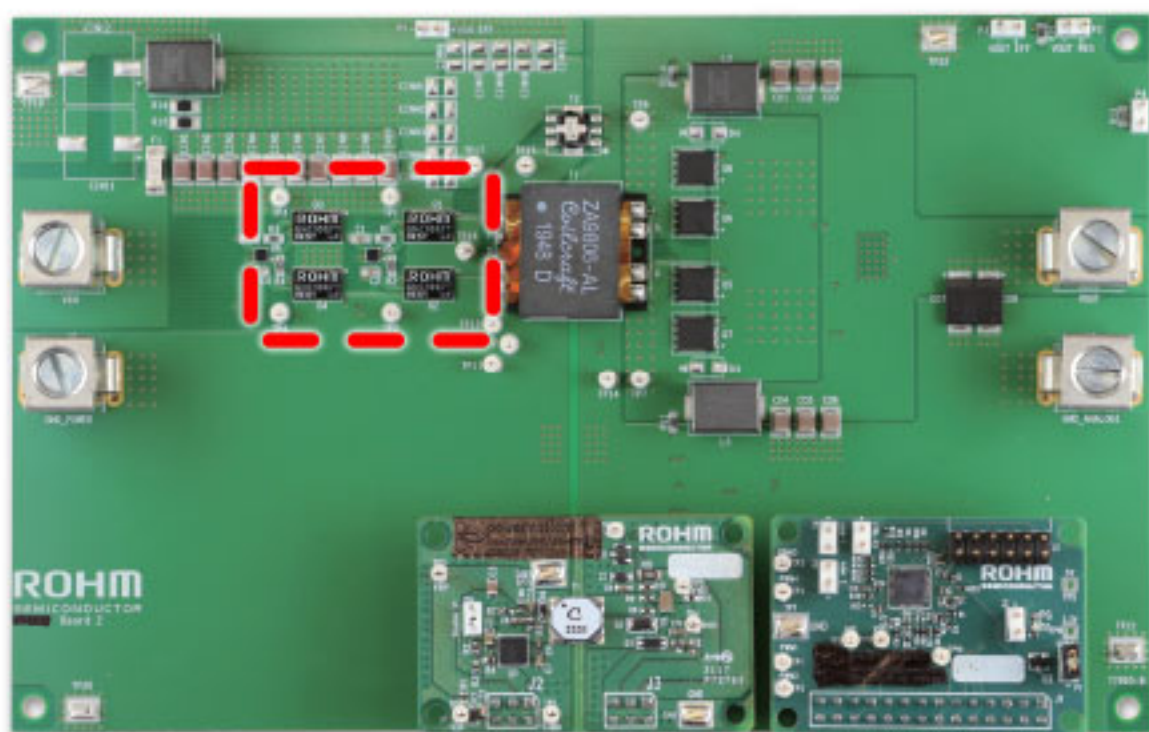
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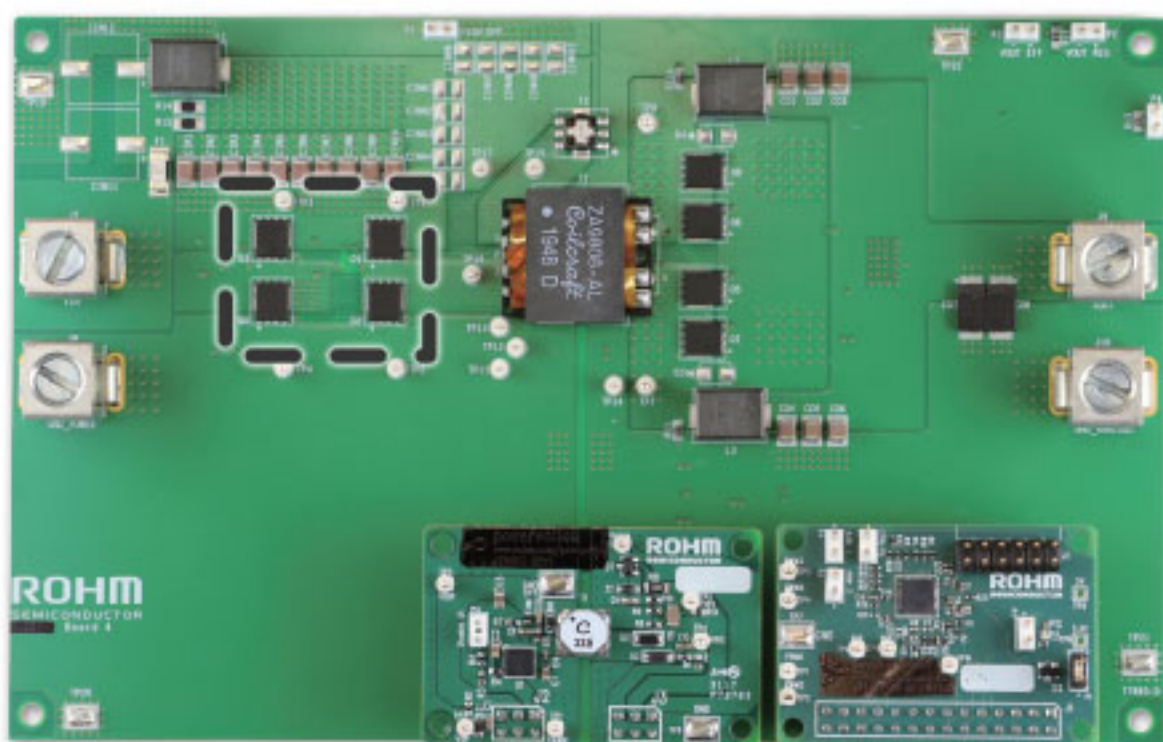
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Evaluation Board



ROHM GaN GNC1007TA (100V/7mΩ)



Si FET