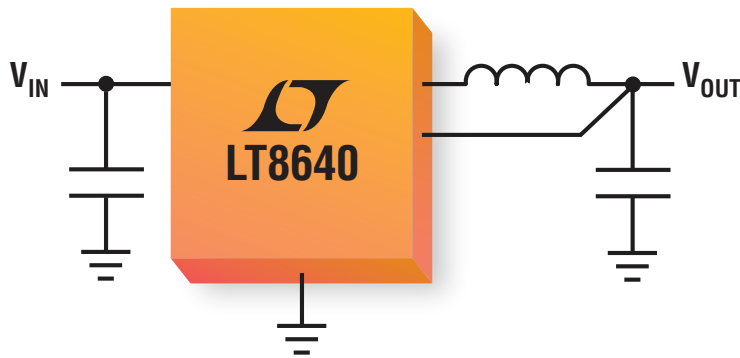
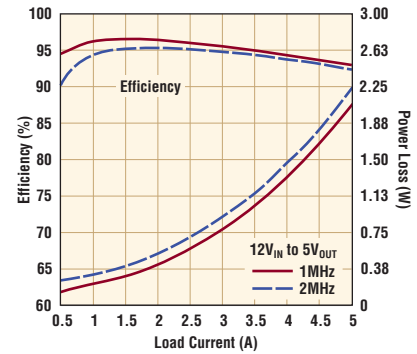


42V, 5A Silent Switcher® More Power & Spread Spectrum



Actual Size
Demo Circuit



Low EMI/EMC Passes CISPR25 Class 5, 95% Efficient at 2MHz

The LT®8640 joins our growing family of ultralow quiescent current high voltage monolithic synchronous buck regulators. Its inherent ultralow EMI/EMC emissions, coupled with spread spectrum capabilities, allows it to comfortably meet CISPR25 class 5 radiated emissions requirements for automotive environments. The LT8640 consumes only 2.5µA of quiescent current while regulating an output of 3.3V from a 12V input source. It also delivers up to 5A of output current with efficiencies as high as 96%.

Features

- Ultralow EMI/EMC Emissions
- Spread Spectrum Frequency Modulation
- Input Voltage: 3.4V to 42V
- Ultralow Quiescent Current in Standby: 2.5µA
- Low Dropout: 100mV at 1A All Conditions
- Small 3mm x 4mm QFN Package

www.linear.com/product/LT8640

1-800-4-LINEAR

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Simplified LT8640 EMI/EMC Curve, I_{OUT} = 4A

