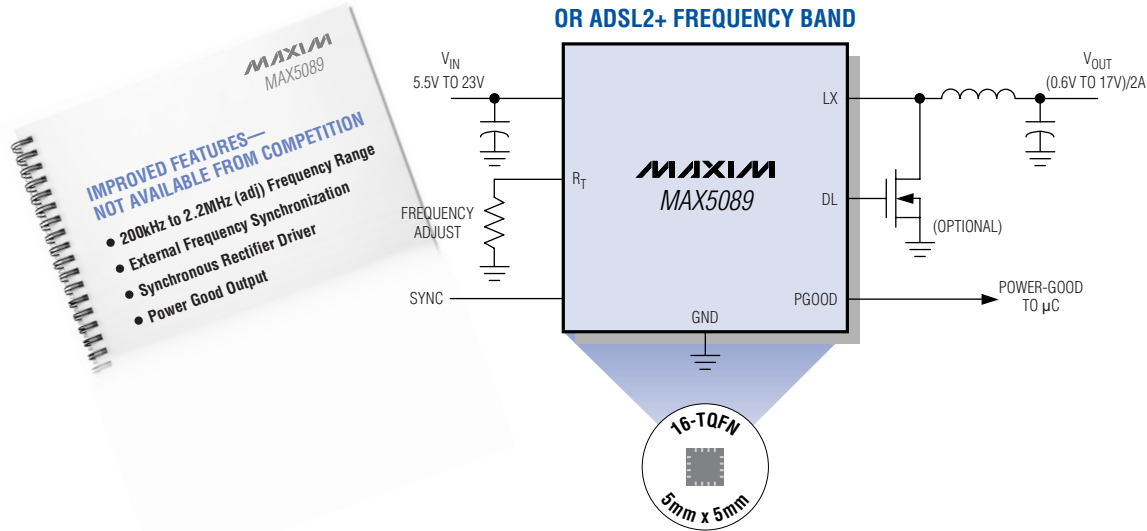


HIGHEST FREQUENCY, WIDE INPUT-VOLTAGE RANGE, 2A BUCK CONVERTER

The MAX5089 is a 5.5V to 23V input, 2A, 2.2MHz buck converter with an internal high-side n-channel MOSFET. An integrated synchronous rectifier driver provides high efficiency in its tiny 5mm x 5mm TQFN package.

**ELIMINATES NOISE IN SENSITIVE TUNER AM BAND
OR ADSL2+ FREQUENCY BAND**



Reduces Size and Eliminates EMI Interference

- ◆ 200kHz to 2.2MHz (adj) Frequency Range Allows Switching Harmonics Outside the Noise-Sensitive Frequency Band
- ◆ External Frequency Synchronization Allows Frequency Hopping in Noise-Sensitive Applications
- ◆ High-Frequency Operation Reduces Size of Power Supply

High Efficiency

- ◆ Synchronous Rectifier Driver Allows Highest Efficiency over Wide V_{IN} Range

Wide 5V \pm 10% or 5.5V to 23V V_{IN} Range

- ◆ Suitable for Wide Automotive Voltage Range
- ◆ Regulates Wide Wall-Adapter Voltage Range for xDSL and Set-Top Boxes
- ◆ Ideal for Controlling Loosely Regulated 7V to 14V Intermediate Bus Voltage

Power-Good Output

- ◆ Signals μC when V_{OUT} Is in Regulation
- ◆ Provides Reliable System Operation

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