

## 3D-CSP Power Module for Inductive Energy Harvesting

### Smallest Power Module (8.1 x 5.2 x 1.5 mm<sup>3</sup>)



Power module with LTC3106 buck-bust converter (8.1 x 5.2 x 1.5 mm<sup>3</sup>) and coil

#### FEATURES

- With rectifier circuit and coil
- With LTC3106 buck-bust converter
- Dual input buck-boost with Integrated *PowerPath*<sup>™</sup> manager
- Ultralow start-up voltages: 850mV
- Start with no backup source, 300mV with backup source
- Compatible with primary or rechargeable backup batteries
- Digitally selectable VOUT and VSTORE n maximum power point control
- Ultralow quiescent current: 1.6  $\mu$ A
- Regulated output with VIN or VSTORE above, below or equal to the output
- Optional backup battery trickle charger
- Shelf mode disconnect function to preserve battery shelf life
- Burst Mode<sup>®</sup> operation for accurate RUN pin threshold
- Power good output voltage indicator
- Selectable peak current limit: 90mA/650mA

#### ENERGY HARVESTING

- With rotating coils and magnets
- No secondary battery needed: At high enough rotating speed sufficient power is supplied to the host module

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