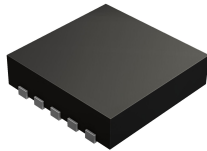




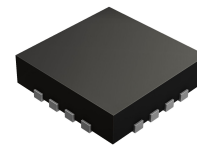
High performance energy harvesting



Mercury

Mercury

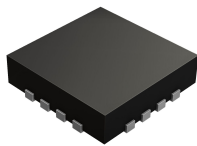
- Unidirectional boost converter with input impedance matching, regulated 2-5 V output and true shutdown
- Up to 85% peak conversion efficiency and cold-start power as low as 7 μ W
- Ultra-low quiescent current of <1 μ A including built-in 8-bit ADC for input voltage monitoring
- For low-impedance thermoelectric, biochemical, electrochemical DC sources



Mercury2

Mercury2

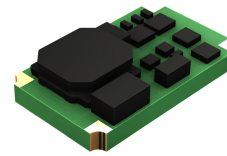
- Bidirectional boost converter with input impedance matching, regulated 2-5 V output, and true shutdown
- Up to 85% peak conversion efficiency and cold-start power as low as 10 μ W
- Ultra-low quiescent current of <1 μ A including built-in 8-bit ADC for input voltage monitoring
- For low-impedance thermoelectric, biochemical, electrochemical DC sources



Mercury3

Mercury3

- AC (1 kHz) boost converter with input impedance matching, regulated 2-5 V output, and true shutdown
- Up to 85% peak conversion efficiency and cold-start power as low as 10 μ W
- Ultra-low quiescent current of <1 μ A including built-in 8-bit ADC for input frequency monitoring
- For low-impedance electromechanical, inductive or capacitive AC sources



Solar Booster

And more...

- Low voltage (1-2 V output) Mercury variant with reduced cold-start power <5 μ W
- High voltage (9-18 V output) Mercury variant with increased operating temperature range up to +125°C
- Solar boost converter chip module with cold-start power of 1 μ W
- Modules integrating Mercury chips with matched thermoelectric, photovoltaic or electromechanical sources