ISL9122 NPI OVERVIEW

APRIL, 2020

ISL9122 PRODUCT SNAPSHOT ULTRA-LOW IQ BUCK-BOOST REGULATOR

Features

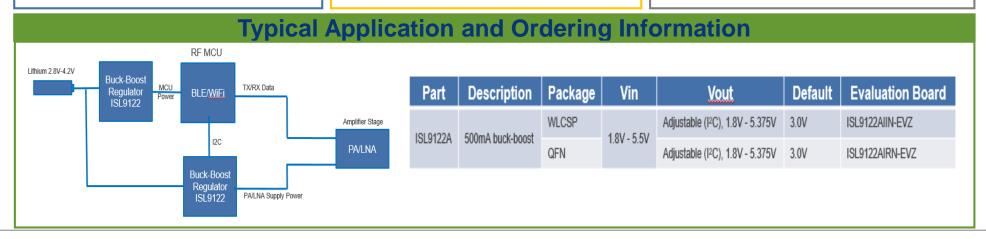
- Ultra-low I_Q, standby and shutdown current
- High efficiency at light and heavy loads
- Dynamic Vout change in 25 mV increments
- Fast transient response
- Multiple operating modes
 - PFM/PWM
 - Forced PWM
 - Ultra-sonic
 - Forced Bypass

Benefits

- Extends battery life by > 30% compared to LDO
- Extends usable battery range to 0.8V
- Provide flexibility during operation
- Reduce the impact of frequency noise
- Reduces overall system cost

Applications

- · Smart Watches and Fitness Band
- Water and Gas Meters
- Portable Medical Devices
- Battery operated Building Automation (camera, smoke detector Wifi extension)
- Battery operated IoT Devices



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