R-78S

The R-78S is a boost converter designed to run from single cell batteries. The input voltage range of 0.65-3.15V means that alkaline, NiCd, NiMH, Zinc-carbon or Lithium chemistry cells can be used to generate a stable 3.3V output to power microprocessors, WLAN/Bluetooth modules & IoT systems. The very high efficiency & low standby consumption can be used to extend battery lifetimes until the "last gasp" to get the maximum available energy out of the cell. The wide operating temperature of -40°C to +100°C, short circuit protection, OTP, Class A EMC & 3 year warranty round off this high performance converter.

Unique Selling Proposition:
Boost converter
Efficiency 93%, >80% with 10% load
Input range down to 0.65V
7µA input current in standby
-40°C to +100°C operation

Target Customer:
Single cell battery powered systems
IoT sensors & transmitters
Remote monitoring & data-logging applications
Planned maintenance systems
Regulated DC/DC power supplies
Demanding industrial applications

Main Features:
Boost converter
Efficiency 93%, >80% with 10% load
Input range down to 0.65V
7µA input current in standby
-40°C to +100°C operation
3 year warranty

Datasheets and additional information can be found on: www.recom-international.com