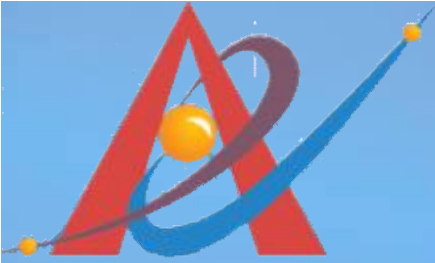




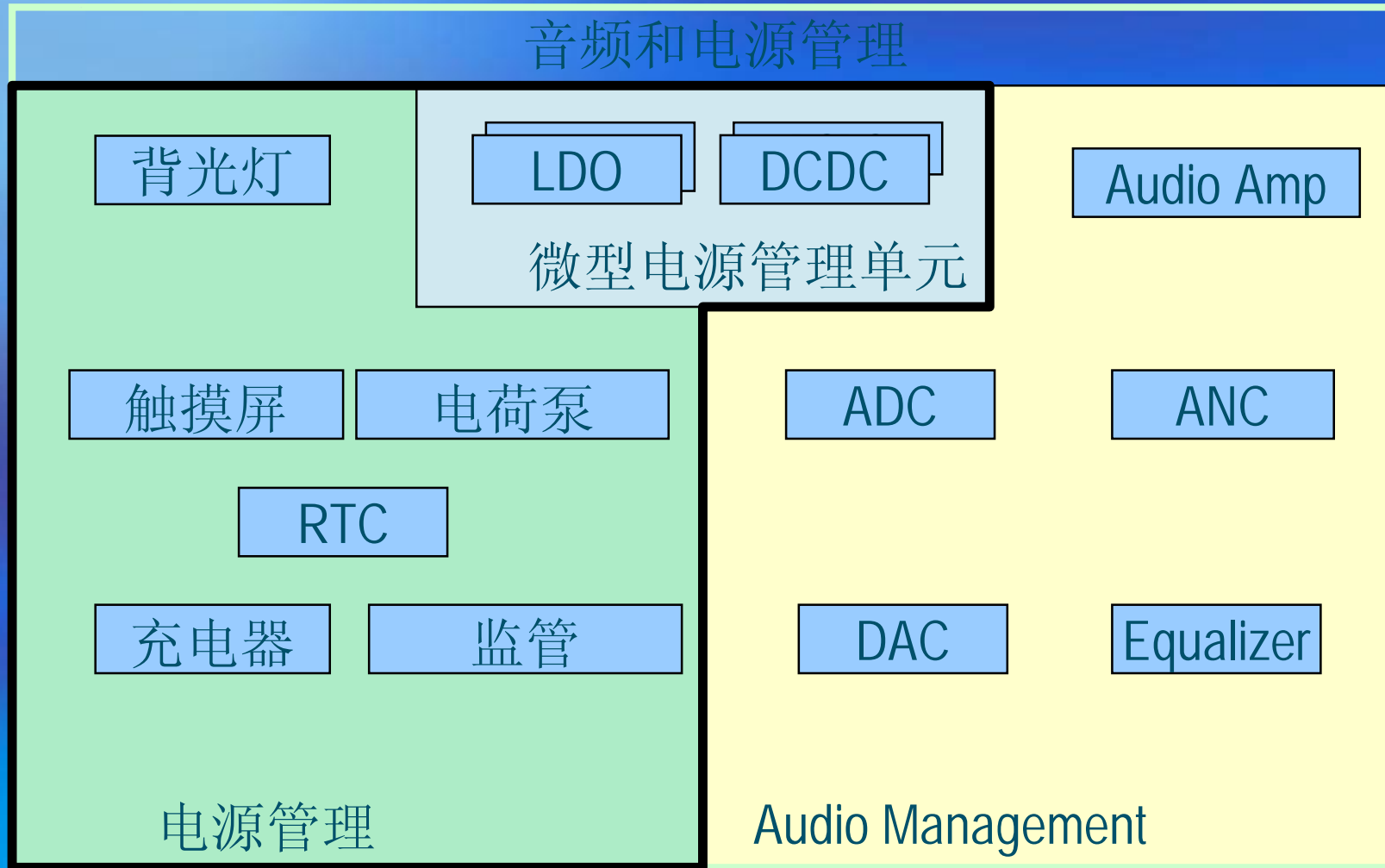
Powermanagement / 电源管理 ----AS1329

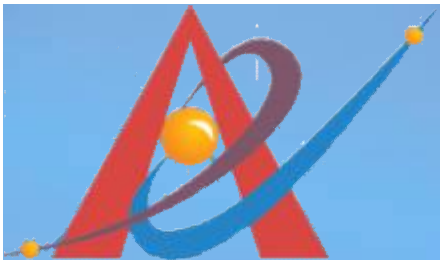
Low Voltage, Micropower, DC-DC Step-Up Converters

a leap ahead
in Standard Linear



电源管理的投资组合





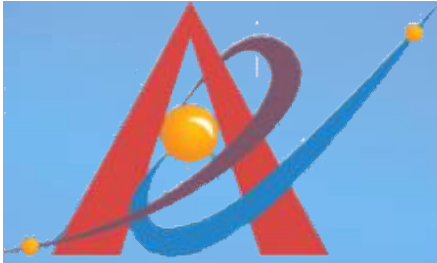
焦点

高性能聚集

超低能量功耗

最低噪声

高级的性能



超低功耗 => 超长使用寿命

AMS有突出性能的元器件如果被正确的选择应用:

平均单节AA电池鼠标: AS1329

80%时间: 80 μ A

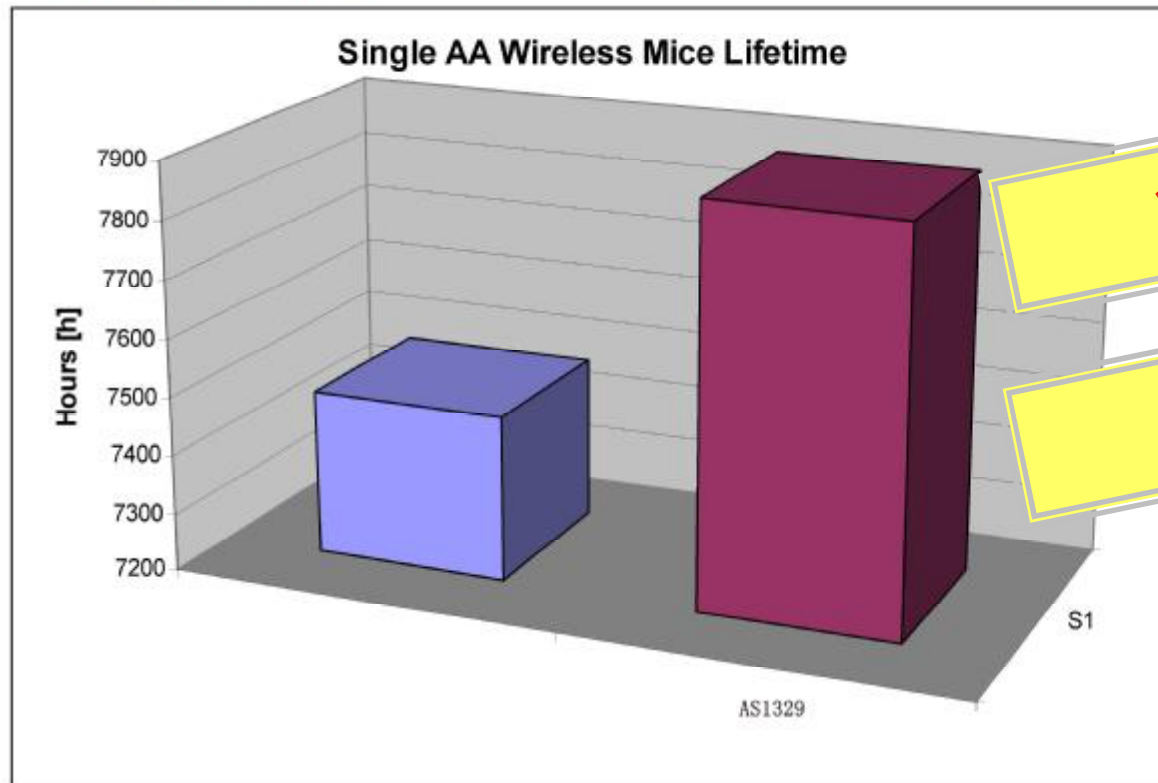
20%时间: 11mA

6months with 1 cell

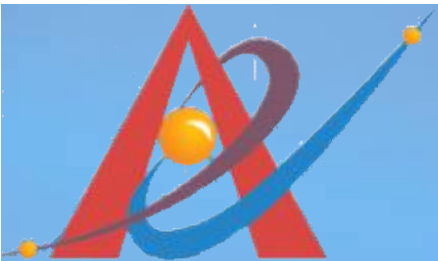


1年的电池寿命

还有多+400h

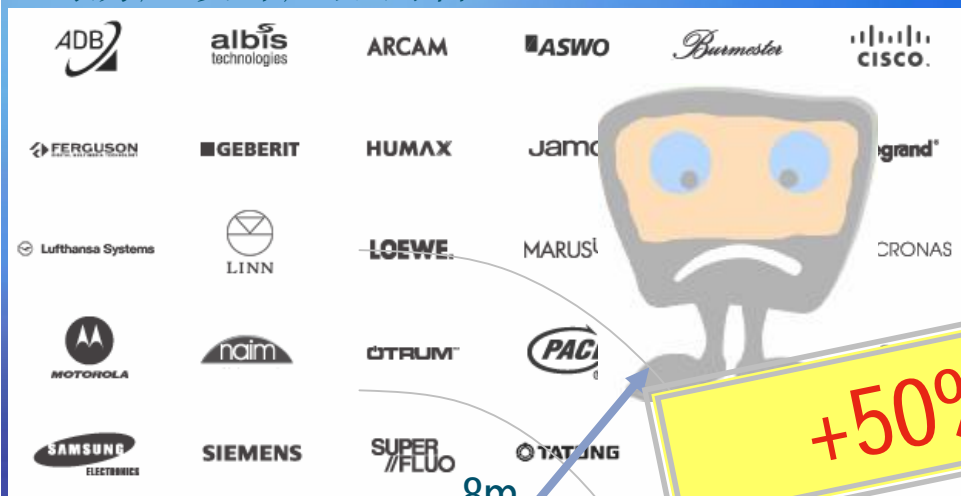


18months with 2 cells



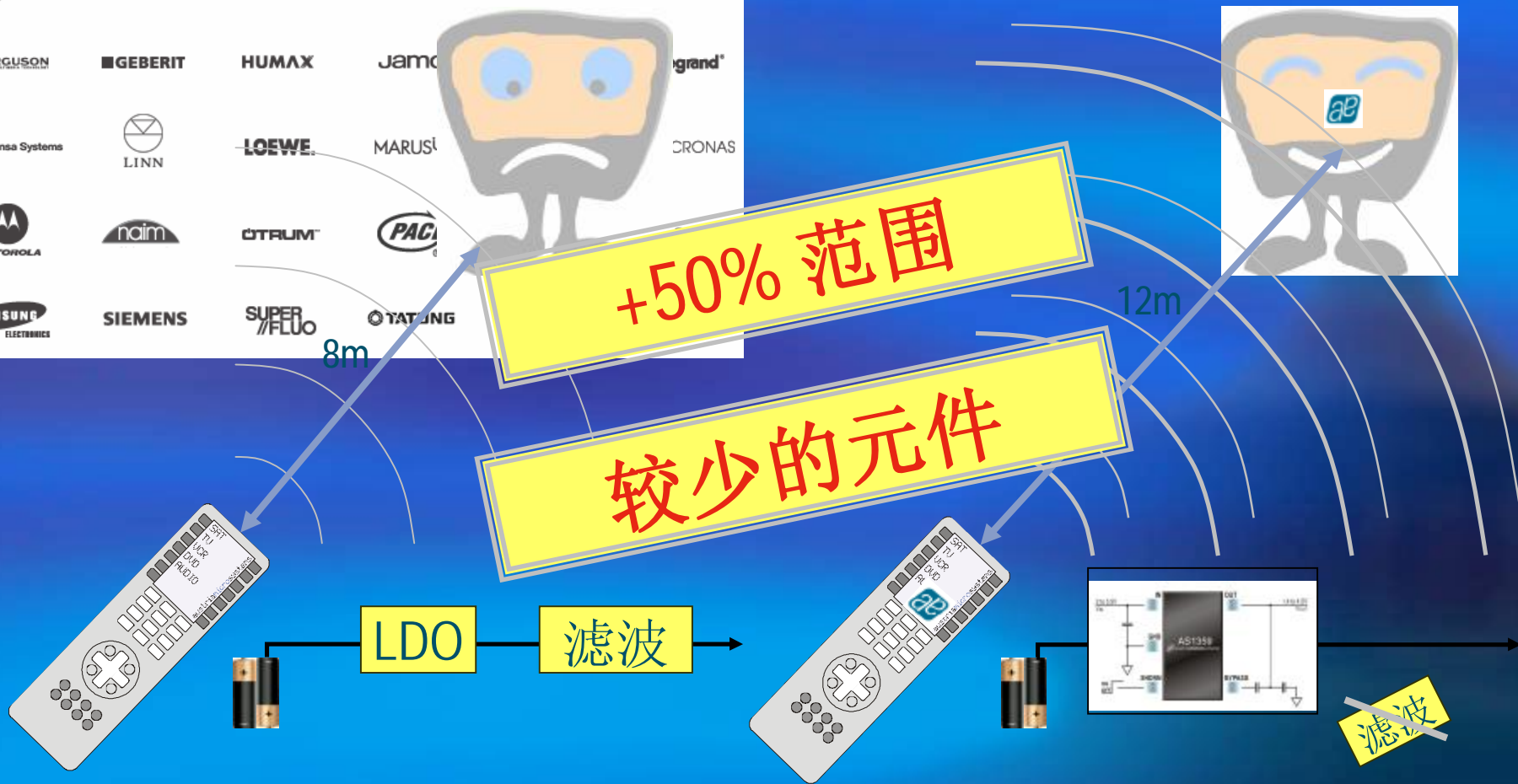
Lowest Noise => Increase Range

对房屋设计产品而言:

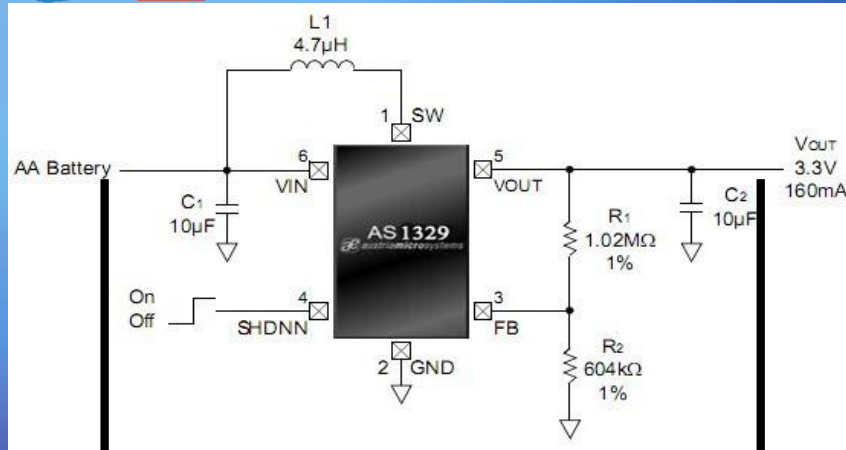


+50% 范围

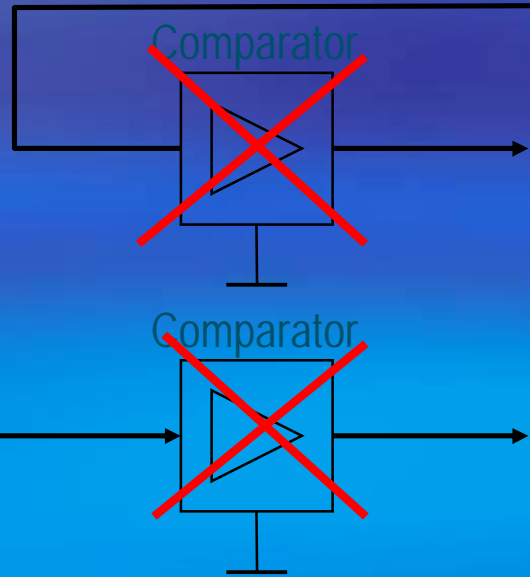
较少的元件



灵活的性能: 低电池和电源ok

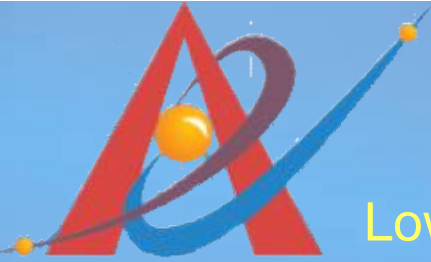


降低系统成本 >0.20USD!



Power ok:
启动其他系统的系统元件

低电池:
关闭系统进行节省



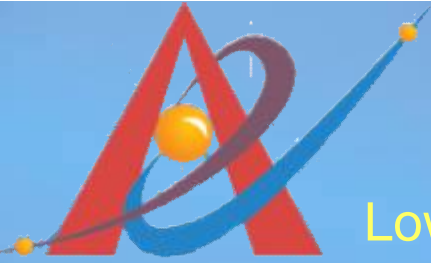
AS1329

Low Voltage, Micropower, DC-DC Step-Up Converters

Key features

- 95% Efficiency
- Single-Cell Operation
- Delivers 160mA @ 3.3V (from Single AA Cell)
- Delivers 220mA @ 5.0V (from Two AA Cells)
- Delivers 570mA @ 3.3V (from Two AA Cells)
- Low Start-Up Voltage: 0.85V
- High-Speed Fixed-Frequency: 1.2MHz
- Internal PMOS Synchronous Rectifier
- Automatic Powersave Operation (AS1329A&B)
- Continuous Switching at Light Loads (AS1329C)
- Anti-Ringing Control Minimizes EMI
- Logic Controlled Shutdown ($< 1\mu\text{A}$)
- Output Range: 2.5 to 5.0V
- 6-pin TSOT-23 Package





AS1329

Low Voltage, Micropower, DC-DC Step-Up Converters

Applications

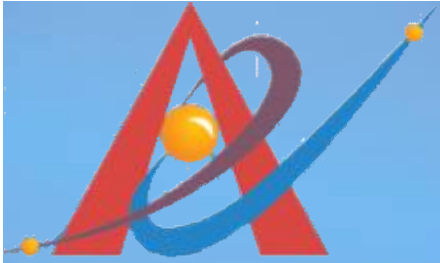
- medical diagnostic equipment,
- hand-held instruments,
- pagers,
- digital cameras,
- remote wireless transmitters,
- MP3 players,
- LCD bias
- supplies,
- cordless phones,
- GPS receivers,
- PC cards



专业的开发板+全方位的服务
+实惠的价格

应用范围:

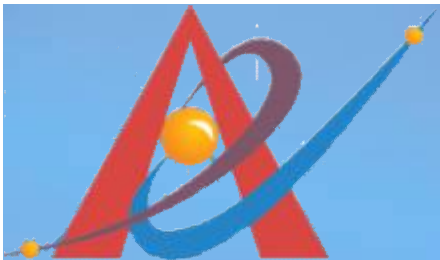




AS1329 竞争优势

- 最高效率为 95%
- AS1329优化轻负载!
- Compact size and minimum external parts
- High-speed switching frequency (1.2MHz) and internally compensated PWM current mode design provide highly-reliable DC-DC conversion, especially when driving white LEDs.
- AS1329启动电压限仅为0.85V，输出是固定的2.5V -5V。
- Outweigh / Explain away:**
- 单电池应用是他的目标市场。

始终考虑整体效率，如果应用是一个变动负荷，那么可能是时间的最大值。电流真正需要的是有限的。



AS1329专业开发板

我们提供专业的开发板和方案，最大限度的缩短客户的开发周期，让客户尽早占领市场，赢得先机。



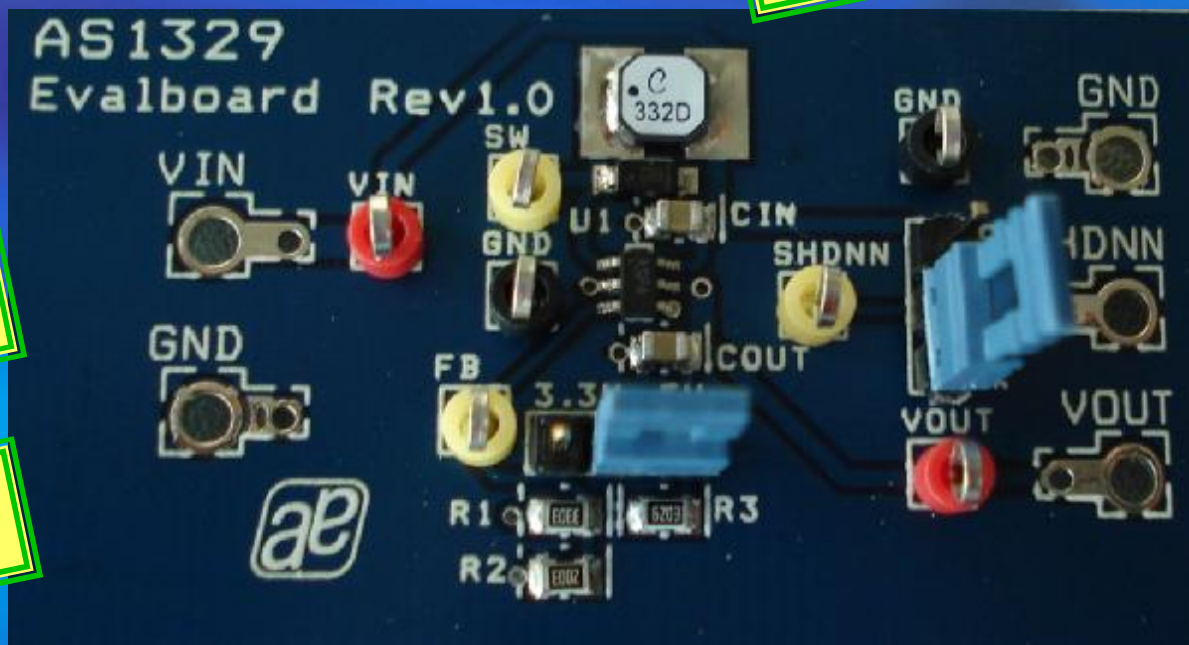
专业的技术

全方位的服务

NEW! NEW!

节能

环保



References

参考资料

i Solution Brief

方案介绍

i Datasheet

IC 规格书

i Reference Schematic

参考线路图

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