



CT5II00

Coin Battery Boost

Status

- Silicon Proven on onsemi 0.35u HV-CMOS
- Easy portability

Deliverables

- Datasheet
- Integration guidelines
- Test Specifications
- GDS2 and LVS Netlist
- Footprint (.LEF)

Applications

• Miniature Coin Battery supplied devices



Features

- Input Voltage Range: 0.9V to 1.8V
- (single alkaline or Ni-MH battery)
- 10 mA maximum output
- 18 uA quiescent current with no load.
- Fixed 2.7V output voltage.
- Modulation (PFM) technique.

Description

CT21100 is high efficiency DCDC boost converter delivering 2.7V at 10mA from an input as low as 0.9V. Designed to work with a single alkaline/NiMh coin cell. To improve efficiency with light load conditions, an asynchronous topology with Pulse Frequency Modulation (PFM) technique is implemented.

R2.2 - 2210





Frequently-Asked Questions

FAQs

Q: May I ask Canova Tech to migrate the IPs to a different manufacturing foundry and process?

A: Yes, you can. Our business model includes porting of the IPs to you preferrable silicon foundry supplier.

Q: May I ask Canova Tech to develop custom and dedicated analog and/or digital on top of the IPs?

A: Yes, you can. Our business model includes custom and dedicated Design Services to facilitate the integration of our IPs into your chip architecture. This business model includes the possibility for you to assign Canova the responsibility for design of a complete integrated circuit (GDS IP) based upon our IPs and your requirements.

Q: Which options do I have for licensing the Canova Tech silicon IPs solution?

A: You can have several licensing options which includes:

- <u>single-use/multiple-use license</u>: the IPs (single or in bundle) are delivered as object-code and licensed for the use on a well-defined product code (single-use) or for unlimited product codes (multiple-use).
- <u>manufacturing license</u>: here Canova Tech can develop your entire product, based upon our IPs (single or in bundle) and your product specifications. The GDS IP is licensed and delivered to you (including all necessary documentation and support) for you to manufacture your product and brand it.

Q: What kind of Support and IP Maintenance will I get from Canova?

A: You will get all required Support and IP Maintenance to ensure proper IP integration into your products for 12 months following the IP licensing. You can then subscribe, at your option, annual renewals of the Support and Maintenance agreement.