The PAM2322AGEAR is a dual channel current-mode, buck DC-DC converter.

The PAM2322AGEAR supports a range of input voltages from 2.7V to 5.5V, allowing the use of a single Li+/Li-polymer cell, multiple alkaline/NiMH cell, USB, and other standard power sources.

It provides a power-saving Pulse-Skipping Modulation (PSM) mode to reduce supply current under light load operation.

Two outputs provide 1.8V/1A fixed Vout and 2A/Vout adjustable from 0.9V to Vin with independent enable pins.

The PAM2322AGEAR is in DFN W-FLGA2520-17 package - a 2.5mm x 2.0mm footprint and 0.75mm thickness.

### The Diodes Advantage

- **Good Light load, high efficiency**
  During light loads the PAM2322AGEAR enters PSM to reduce the operating power; ensuring high efficiency regardless of load.

- **Protection features**
  Under voltage lock out, soft-start, over temperature and hiccup mode at short circuit protections.

- **100% Duty Cycle**
  Allows system to work at lowest input voltage to increase the battery life.

- **Small footprint (2.5mm x 2.0mm) U-FLGA2520-17 package**
  Minimizes PCB area while providing good thermal dissipation.

### Applications

- Wireless and DSL modems
- Portable devices
- Personal information appliances
Typical Application Schematic:

Dual Channel Buck Converter Product Portfolio

To find out more information: please look at:
Datasheet: [http://diodes.com/datasheets/PAM2322AGEAR.pdf](http://diodes.com/datasheets/PAM2322AGEAR.pdf)

Ordering Information

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