

Product Overview

LV5636VH: DC-DC Boost Converter for BS/CS Antennas

For complete documentation, see the data sheet.

LV5636VH integrates 1ch DC/DC boost converter and 1ch LDO. It is suitable as the power supply for BS/CS antennas of LCD/PDP TV and BD recorders that require automatic recovery without IC destruction and malfunction when the output is short-circuited.

Features

- Boost mode: Soft start function ($t=2.6\text{ms}$)
- Boost : Pulse by pulse over current protection function
- Boost mode: Short circuit protection function (constant timer: 1.6ms)
- LDO mode: Over current limiter (fold-back characteristics)
- Common: Under voltage lockout
- Common: Thermal shut down
- Common: Power good function plus Power good delay time setting
- Common: Output voltage selectable function from two kinds of voltage

Benefits

- Can decrease a rush current
- Over current protection
- Short circuit protection
- Can limit a over current
- Prevention of instability operation in under voltage
- Thermal protection
- Stability operation
- Can select the output voltage

Applications

- Boost convertor attached LDO function

End Products

- Power supply for BS/CS parabola antenna

For more information please contact your local sales support at www.onsemi.com.

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