

Product Overview

LV5725JA: Buck Converter, DC-DC, 1-Channel

For complete documentation, see the data sheet.

The LV5725JA is a step-down voltage switching regulator.

Features

- Wide input dynamic range: 4.5V to 50V
- Built in over-current protection circuit of Pulse-by-Pulse method, it detection by on resistance of an external MOSFET, and also the over-current protection of HICCUP method too
- Thermal shut down
- Load independent soft start circuit
- Synchronous operation by external signal
- Power good function
- External voltage is usable when output voltage is high

Benefits

- Usable by general use anywhere
- Burn protection
- Thermal protection
- It control a rush current
- It can improve the occurring oscillator clock-beat between two regulator IC
- Stability operation

Applications

- Step-down method switching regulator

Part Electrical Specifications

Product	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{sw} Typ (kHz)	t _{res} Typ (ns)	Package Type
LV5725JA-AH	Pb-free Halide free	Active	Step-Down	1	Current Mode	4.5	50	50 - 500 365		SSOP-16

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

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