

## A8304: Single LNB Supply and Control Voltage Regulator

The A8304 is a single channel low noise block regulator (LNBR). The A8304 consists of a monolithic boost converter followed by a low-drop linear regulator. It is specifically designed to provide the power and the interface signals to an LNB down converter via coaxial cable in satellite TV receiver systems.

The A8304 requires few external components, with the boost switch and compensation circuitry integrated inside of the device. The 704 kHz switching frequency and user-controlled output current limit minimize the size of the passive filtering components.

The |2C™-compatible interface provides control capabilities for complex system requirements, as well as diagnostic capabilities for system fault reporting.

A sleep pin is available to maximize power savings and to quickly shut down the device if needed, without using I2C™ control.

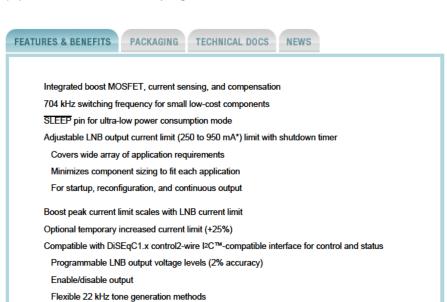
The A8304 is provided in a small  $3 \times 3$  mm QFN package with exposed pad for thermal dissipation. t is lead (Pb) free, with 100% matter tin leadframe plating.

## DATASHEETS

Contact Allegro Marketing for datasheet

SAMPLE & BUY

Contact Your Local Sales Rep



SINK\_DIS bit for controlling the push-pull output sink current threshold

Diagnostic features: PNG

Extensive protection features: UVLO, OCP, TSD \*maximum value depends on PCB thermal design

## Product Image 🗍



## Part Number Specifications and Availability

Part Number	Package Type	Temperature	RoHS Compliant	Part Composition / RoH\$ Data	Comments	Samples	Check Distributor Stock
A8304SESTR-T	16-lead QFN	-20°C to 85°C	Yes	View Data		Contact your local sales rep	Check Stock
APEK8304SES-01-MH	DEMO BOARD	-20°C to 85°C	No			Contact your local sales rep	Check Stock

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