

LTC4267IDHC-3#PBF

Data Sheet

Ethernet Controller PD Interface, RJ45, -57 V, 16-Pin DFN

Manufacturers	Analog Devices, Inc
Package/Case	DFN16
Product Type	Interface - Controllers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4267IDHC-3#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours.

<u>RFQ</u>

General Description

The LTC4267-3 combines an IEEE 802.3af compliant Powered Device (PD) interface with a 300kHz current mode switching regulator, providing a complete power solution for PD applications. The LTC4267-3 integrates the 25k signature resistor, classification current source, thermal overload protection, signature disable and power good signal along with an undervoltage lockout optimized for use with the IEEE-required diode bridge. The LTC4267-3 provides an increased operational current limit, maximizing power available for class 3 applications.

The 300kHz current mode switching regulator provides higher output power or smaller external size compared to its lower frequency counterparts. The LTC4267-3 is designed for driving a 6V rated N-channel MOSFET and features programmable slope compensation, soft-start, and constant-frequency operation, minimizing noise even with light loads. The LTC4267-3 includes an onboard error amplifier and voltage reference allowing use in both isolated and nonisolated configurations.

The LTC4267-3 is available in a space saving, low profile 16-pin SSOP or DFN packages.

Applications

IP Phone Power Management

Wireless Access Points

Security Cameras

Power over Ethernet

Features

Complete Power Interface Port for IEEE 802®.3af Powered Device (PD)

Onboard 100V, UVLO Switch

Constant-Frequency 300kHz Operation

Precision Dual Level Inrush Current Limit

Integrated Current Mode Switching Regulator

Onboard 25k Signature Resistor with Disable

Programmable Classification Current (Class 0-4)

Thermal Overload Protection

Power Good Signal

Integrated Error Amplifier and Voltage Reference

Low Profile 16-Pin SSOP or DFN Packages

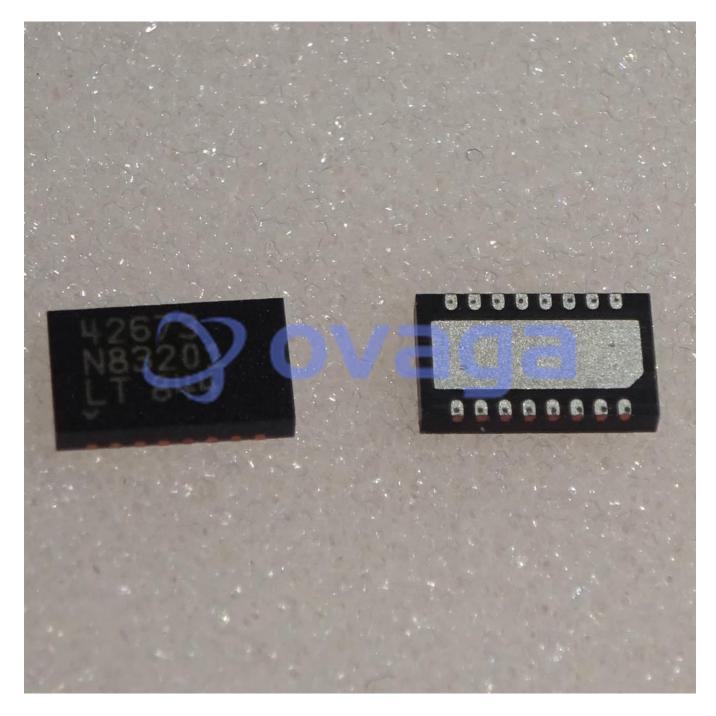
Application

IP Phone Power Management

Wireless Access Points

Security Cameras

Power over Ethernet



Related Products



LT3763EFE Analog Devices, Inc



TSSOP28

Analog Devices, Inc QFN-24





LT1038CK

Analog Devices, Inc TO-3

LTC3440EMS

Analog Devices, Inc MSOP10



LTC1966CMS8#PBF

Analog Devices, Inc MSOP-8P



LTC2990IMS#PBF

Analog Devices, Inc 10MSOP



LTM8045EY#PBF

Analog Devices, Inc BGA40



LT4295IUFD#PBF

Analog Devices, Inc 28-WFQFN