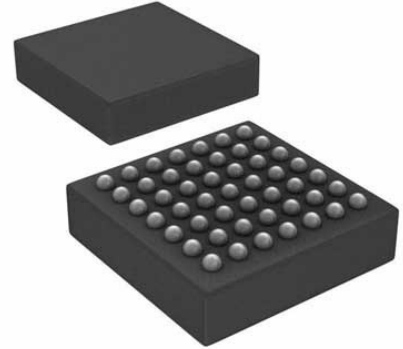


Dual 1.4A, Single 2.8A Step-Down Silent Switcher μ Module Regulator

Manufacturers	Analog Devices, Inc
Package/Case	49-Lead BGA (6.25mm x 6.25mm x 2.22mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8078IY or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com). We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8078 is $40V_{IN}$, dual 1.4A/single 2.8A step-down Silent Switcher μ Module[®] regulator. The Silent Switcher architecture minimizes EMI while delivering high efficiency at frequencies up to 3MHz. Included in the package are the controllers, power switches, inductors, and support components. Operating over a wide input voltage range, the LTM8078 supports output voltages from 0.8V to 10V, and a switching frequency range of 300kHz to 3MHz, each set by a single resistor. Only the bulk input and output filter capacitors are needed to finish the design. The LTM8078 product video is available on website.

The LTM8078 is packaged in a compact (6.25mm \times 6.25mm \times 2.22mm) over-molded Ball Grid Array (BGA) package suitable for automated assembly by standard surface mount equipment. The LTM8078 is available with SnPb (BGA) or RoHS compliant.

Applications

Features

Two Complete Step-Down Switching Power Supplies

Low Noise Silent Switcher

CISPR25 Class 5 Compliant

Wide Input Voltage Range: 3V to 40V

Wide Output Voltage Range: 0.8V to 10V

1.4A Continuous Output Current per Channel at 24V

IN

OUT

Multiphase Parallel Operation to Increase Current

Selectable Switching Frequency: 300kHz to 3MHz

Compact Package (6.25mm × 6.25mm × 2.22mm) Surface Mount BGA

Application

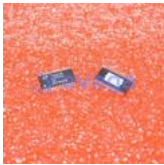
Automated Test Equipment

Distributed Supply Regulation

Industrial Supplies

Medical Equipment

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[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