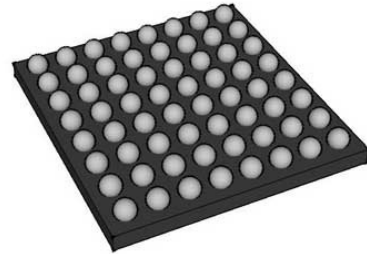


DC DC CONVERTER 0.5-54.5V

Manufacturers	Analog Devices, Inc
Package/Case	BGA-77
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4653IY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM[®]4653 is an ultralow noise 58V, 4A DC/DC stepdown μ Module[®] regulator designed to meet the radiated emissions requirements of EN55022. Conducted emission requirements can be met by adding standard filter components. Included in the package are the switching controller, power MOSFETs, inductor, filters and support components.

Operating over an input voltage range of 3.1V to 58V, the LTM4653 supports an output voltage range of 0.5V to 94% of V_{IN} , and a switching frequency range of 250kHz to 3MHz (400kHz default), each set by a single resistor. For high load currents, the LTM4653 can be paralleled in PolyPhase[®] operation and synchronized to an external clock. Only the bulk input and output filter capacitors are needed to finish the design.

The LTM4653 is offered in a 15mm \times 9mm \times 5.01mm BGA package with SnPb or RoHS compliant terminal finish.

Features

Complete Low EMI Switch Mode Power Supply

EN55022 Class B Compliant

Wide Input Voltage Range: 3.1V to 58V

Up to 4A Output Current

Output Voltage Range: $0.5V \leq V_{OUT} \leq 0.94 \cdot V_{IN}$

Parallel and Current Share with Multiple LTM4653s

Analog Output Current Indicator

Programmable Input Voltage Limiting

Constant-Frequency Current Mode Control

Power Good Indicator and Programmable Soft-Start

Overcurrent/Overvoltage/Overtemperature Protection

15mm × 9mm × 5.01mm BGA Package

Application

Avionics, Industrial Control and Test Equipment

Video, Imaging and Instrumentation

48V Telecom and Network Power Supplies

RF Systems

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN