

Conv DC-DC 4V to 34V Step Down Single-Out 1.3A

Manufacturers	Microchip Technology, Inc
Package/Case	SOP-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MIC4680YM or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC4680 SuperSwitcher™ is an easy-to-use fixed or adjustable output voltage step-down (buck) switch-mode voltage regulator. The 200kHz MIC4680 achieves up to 1.3A of continuous output current over a wide input range in a 8-pin SOIC.

The MIC4680 is available in 3.3V and 5V fixed output versions or adjustable output down to 1.25V.

The MIC4680 has an input voltage range of 4V to 34V, with excellent line, load, and transient response. The regulator performs cycle-by-cycle current limiting and thermal shutdown for protection under fault conditions. In shutdown mode, the regulator draws less than 2µA of standby current.

The MIC4680 SuperSwitcher™ regulator requires a minimum number of external components and can operate using a standard series of inductors and capacitors. Frequency compensation is provided internally for fast transient response and ease of use.

The MIC4680 is available in the 8-pin SOIC with a -40°C to +125°C junction temperature range.

Features

SOIC-8 package with up to 1.3A output current

All surface mount solution

Only 4 external components required

Fixed 200kHz operation

3.3V, 5V, and adjustable output versions

Internally compensated with fast transient response

Wide operating input voltage range: 4V to 34V

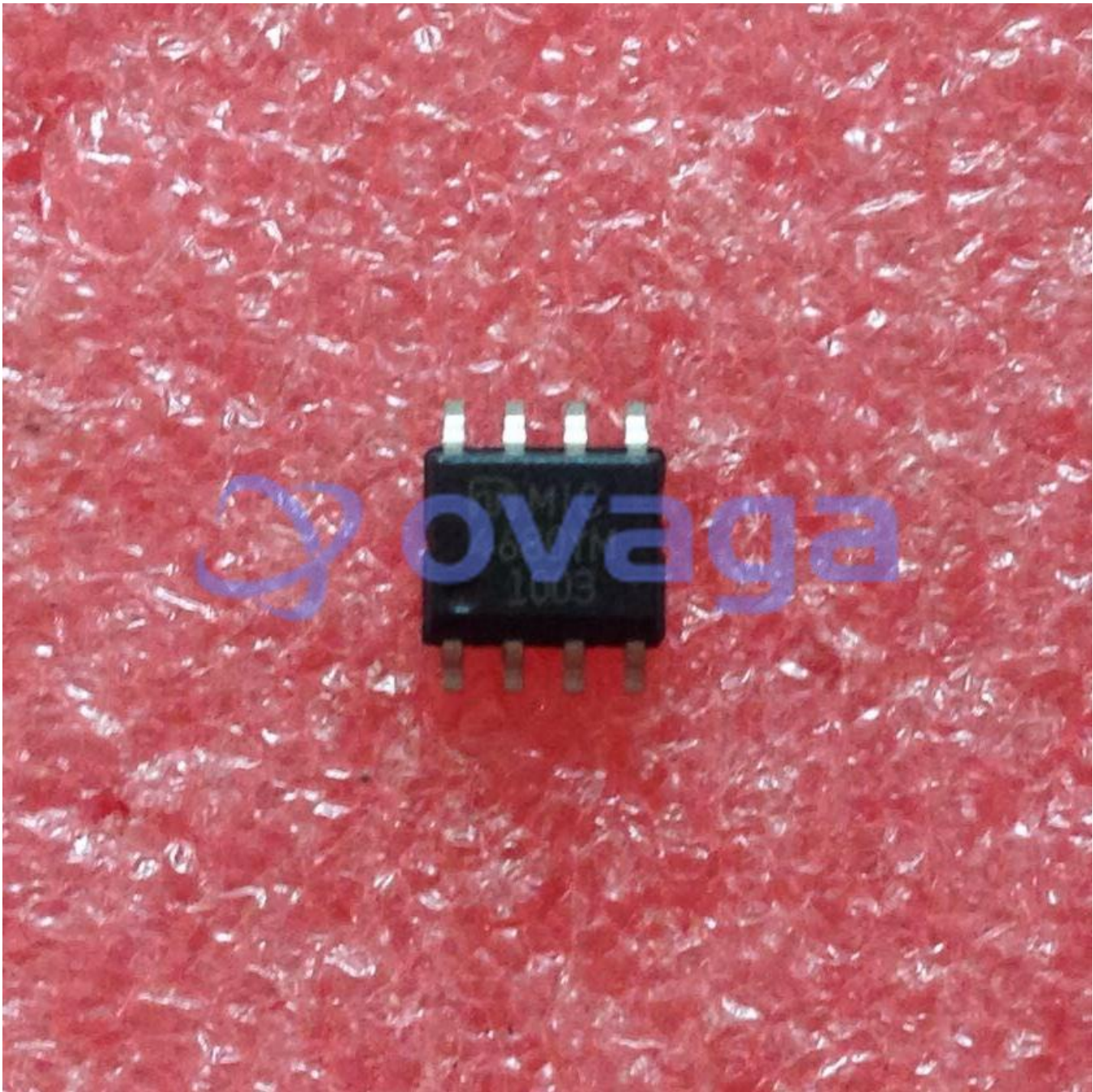
Less than 2 μ A typical shutdown-mode current

Up to 90% efficiency

Thermal shutdown

Overcurrent protection





Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



[MIC4684YM](#)

Microchip Technology, Inc
SOIC-8



[MIC2009A-1YM6-TR](#)

Microchip Technology, Inc
SOT-23-6



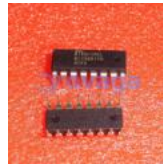
[MIC2090-1YM5-TR](#)

Microchip Technology, Inc
SOT-23-5



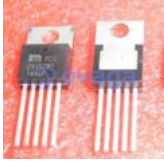
[MIC5841YWM-TR](#)

Microchip Technology, Inc
SOIC-18



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SOIC-8