DC/DC Cntrlr Single-OUT Inverting 300kHz 8-Pin SOIC N Tube

Manufacturer:	Maxim Integrated
Package/Case:	SOP8
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free ♨ RoHS
Lifecycle:	Active

Images are for reference only

[Inquiry]

General Description

The MAX774/MAX775/MAX776 inverting switching regulators deliver high efficiency over three decades of load current. A unique current-limited, pulse-frequencymodulated (PFM) control scheme provides the benefits of pulse-width modulation (high efficiency with heavy loads), while using less than 100μA of supplycurrent (vs. 2mA to 10mA for PWM converters). The result is high efficiency over a wide range of loads.These ICs also use tiny external components; their high switching frequency (up to 300kHz) allows for less than 5mm diameter surface-mount magnetics.The MAX774/MAX775/MAX776 accept input voltages from 3V to 16.5V, and have preset output voltages of -5V, -12V, and -15V, respectively. Or, the output voltagecan be user-adjusted with two resistors. Maximum V_{IN} - V_{OUT} differential voltage is limited only by the break-down voltage of the chosen external switch transistor.These inverters use external P-channel MOSFET switches, allowing them to power loads up to 5W. If less power is required, use the MAX764/MAX765/MAX766 inverting switching regulators with on-board MOSFETs.

Application

Battery-Powered Applications

Data Communications

High-Efficiency DC-DC Converters

LCD Bias Generators

Recommended For You

MAX1636EAP	**MAX1758EAI+**	**MAX1673ESA+**
Maxim Integrated	Maxim Integrated	Maxim Integrated
SSOP20	SSOP28	SOP8

MAX1682EUK+T

Maxim Integrated

SOT23-5

MAX1720EUT+T

Maxim Integrated

SOT23-6

MAX845ESA+T

Maxim Integrated

SOP-8

MAX1681ESA+

Maxim Integrated

SOP-8

MAX17113ETL+

Maxim Integrated

QFN

MAX690CPA+

Maxim Integrated

DIP8

MAX690MJA

Maxim Integrated

CDIP8

MAX6107EUR+T

Maxim Integrated

SOT23-3

MAX5920BESA+

Maxim Integrated

SOP-8

MAX5922AEUI+

Maxim Integrated

TSSOP28

MAX5900ABETT+T

Maxim Integrated

TDFN-6

MAX5903LBEUT

Maxim Integrated

SOT23-6