


Charge Pump INV/STPUP/STPDN -1.5V to -10V/3V to 20V 20mA
8-Pin SOIC N Tube



Images are for reference only

Inquiry

| | |
|----------------------|--|
| Manufacturer: | Analog Devices, Inc |
| Package/Case: | SOP8 |
| Product Type: | Power Management ICs |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | Active |

General Description

The MAX1044 and ICL7660 are monolithic, CMOS switched-capacitor voltage converters that invert, double, divide, or multiply a positive input voltage. They are pin compatible with the industry-standard ICL7660 and LTC1044. Operation is guaranteed from 1.5V to 10V with no external diode over the full temperature range. They deliver 10mA with a 0.5V output drop. The MAX1044 has a BOOST pin that raises the oscillator frequency above the audio band and reduces external capacitor size requirements. The MAX1044/ICL7660 combine low quiescent current and high efficiency. Oscillator control circuitry and four power MOSFET switches are included on-chip. Applications include generating a -5V supply from a +5V logic supply to power analog circuitry. For applications requiring more power, the MAX660 delivers up to 100mA with a voltage drop of less than 0.65V.

Key Features

- Miniature μ MAX Package
- 1.5V to 10.0V Operating Supply Voltage Range
- 98% Typical Power-Conversion Efficiency
- Invert, Double, Divide, or Multiply Input Voltages
- BOOST Pin Increases Switching Frequencies (MAX1044)
- No-Load Supply Current: 200 μ A Max at 5V
- No External Diode Required for Higher-Voltage Operation

Application

- Data Acquisition
- EIA/TIA-232E and EIA/TIA-562 Power Supplies
- Handheld Instruments (PDAs, Palmtops)
- Op-Amp Power Supplies
- Panel Meters
- Personal Communications Equipment
- Portable Telephones

Recommended For You

ICL7660CUA+

Analog Devices, Inc
 MSOP8

ICL7662CBD+T

Analog Devices, Inc
 SOP14

ADP196ACPZN-R7

Analog Devices, Inc
 LFCSP-6

LTC4412ES6

Analog Devices, Inc

SOT23-6

REF195GRUZ

Analog Devices, Inc

TSSOP8

LTC4259ACGW-1

Analog Devices, Inc

SSOP36

ADP191ACBZ-R7

Analog Devices, Inc

WLCSP4

AD581LH

Analog Devices, Inc

CAN3

HMC981LP3E

Analog Devices, Inc

QFN-16

AD1583BRTZ-REEL7

Analog Devices, Inc

SOT-23

LTC4259ACGW

Analog Devices, Inc

SSOP36

LTC1530IS8

Analog Devices, Inc

SOP8

ADL5315ACPZ-R7

Analog Devices, Inc

LFCSP8

ADP5023ACPZ-R7

Analog Devices, Inc

LFCSP-24

LTC4252-2IMS

Analog Devices, Inc

MSOP10