

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

Manufacturer:	Maxim Integrated	<input type="text" value="ICL7660ESA+T Image"/>
Package/Case:	SOP8	Images are for reference only
Product Type:	Power Management ICs	Inquiry
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

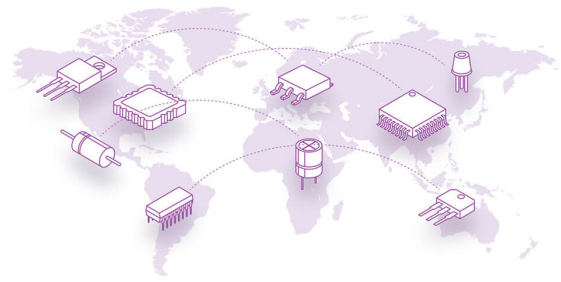
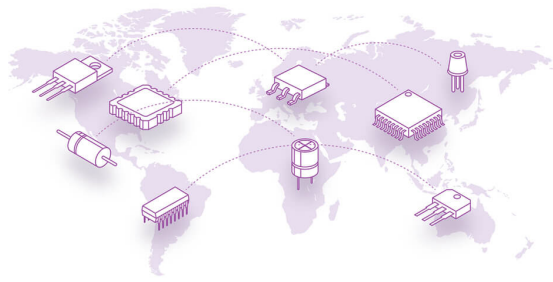
The MAX1044 and ICL7660 are monolithic, CMOS switched-capacitor voltage converters that invert, double, divide, or multiply a positive input voltage. They are pin compatible with the industry-standard ICL7660 and LTC1044. Operation is guaranteed from 1.5V to 10V with no external diode over the full temperature 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

ICL7660CPA+

Maxim Integrated

DIP

ICL7662CPA+

Maxim Integrated

DIP-8

ICL7662EBA+T

Maxim Integrated

SOP-8

ICL7662CBA+

Maxim Integrated

SOP8

ICL7662EPA+

Maxim Integrated

DIP8

ICL7662EBA+

Maxim Integrated

SOP-8

ICL7662CBD+

Maxim Integrated

SOP14

ICL7662CBA+T

Maxim Integrated

SOP8

ICL7660CSA+T

Maxim Integrated

SOP-8

ICL7660EPA+

Maxim Integrated

DIP

ICL7660ISA+

Maxim Integrated

SOP-8

ICL7660CUA+T

Maxim Integrated

USOP-8

MAX1636EAP

Maxim Integrated

SSOP20

MAX1758EAI+

Maxim Integrated

SSOP28

MAX1673ESA+

Maxim Integrated

SOP8