

TC7660SCOA

Charge Pump INV/STPUP -12V to -1.5V/3V to 24V 20mA 8-Pin SOIC N Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP8
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free W
Lifecycle:	Active



Images are for reference only

General Description

The TC7660S is a pin-compatible upgrade to the Industry standard TC7660 charge pump voltage converter. It converts a +1.5V to +12V input to a corresponding -1.5V to -12V output using only two low-cost capacitors, eliminating inductors and their associated cost, size and EMI. Added features include an extended supply range to 12V, and a frequency boost pin for higher operating frequency, allowing the use of smaller external capacitors. The on-board oscillator operates at a nominal frequency of 10kHz. Frequency is increased to 45kHz when pin 1 is connected to V+. Operation below 10kHz (for lower supply current applications) is possible by connecting an external capacitor from OSC to ground (with pin 1 open). The TC7660S is available in both 8-pin DIP and 8-pin small outline (SOIC) packages in commercial and extended temperature ranges.

Key Features

Oscillator boost from 10kHz to 45kHz Converts +5V Logic Supply to ±5V System Efficient Voltage Conversion: 99.9% Excellent Power Efficiency: 98% Low Power Supply: 80µA @ 5VIN Low Cost and Easy to Use — Only Two External Capacitors Required Improved ESD Protection-Up to 10kV No External Diode Required for High Voltage Operation

Recommended For You

TC766 Microc

SOP8

60COA	TC54VC3002ECB713	TC4428ACOA
chip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
	SOT-23	SOP8

ТС429СРА

Microchip Technology, Inc DIP8

TC1232COA

Microchip Technology, Inc SOP-8

TC4420CPA

Microchip Technology, Inc DIP8

TC1240AECHTR

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SOT23-6

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TC4421CPA Microchip Technology, Inc DIP8

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Microchip Technology, Inc DIP8

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