


Charge Pump INV -3V to -18V 80mA Automotive 8-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

Manufacturer:	Microchip Technology, Inc
Package/Case:	DIP8
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

The TC962 is an advanced version of the industry-standard 7662 high-voltage DC-to-DC converter. Using improved design techniques and CMOS construction, the TC962 can source as much as 80mA versus the 7662 's 20mA capability. As an inverter, the TC962 can put out voltages as high as 18V and as low as 3V without the need for external diodes. The output impedance of the device is a low 28 (with the proper capacitors), voltage conversion efficiency is 99.9%, and power conversion efficiency is 97%. The low voltage terminal (pin 6) required in some 7662 applications has been eliminated. Grounding this terminal will double the oscillator frequency from 12kHz to 24kHz. This will allow the use of smaller capacitors for the same output current and ripple, in most applications. Only two external capacitors are required for inverter applications. In the event an external clock is needed to drive the TC962 (such as paralleling), driving this pin directly will cause the internal oscillator to sync to the external clock.

Key Features

- Pin Compatible With TC7662/ICL7662/SI7661
- High Output Current 80mA
- No External Diodes Required.
- Wide Operating Range 3V to 18V
- Low Output Impedance 28Ohm Typ.
- No Low Voltage Terminal Required
- Application Zener On Chip
- OSC Frequency Doubling Pin Option for Smaller Output Capacitors

Recommended For You

TC7660COA

Microchip Technology, Inc
SOP8

TC54VC3002ECB713

Microchip Technology, Inc
SOT-23

TC4428ACOA

Microchip Technology, Inc
SOP8

TC429CPA

Microchip Technology, Inc
DIP8

TC4420EPA

Microchip Technology, Inc
DIP8

TC1232CPA

Microchip Technology, Inc
DIP8

TC1232COA

Microchip Technology, Inc
SOP-8

TC4427AEPA

Microchip Technology, Inc
DIP8

TC4421CAT

Microchip Technology, Inc
TO220-5

TC4420CPA

Microchip Technology, Inc
DIP8

TC4422EPA

Microchip Technology, Inc
DIP8

TC1232EOA

Microchip Technology, Inc
SOP-8

TC1240AECHIR

Microchip Technology, Inc
SOT23-6

TC4421CPA

Microchip Technology, Inc
DIP8

TC4420COA

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SOP-8