


**Conv DC-DC 3V to 5.5V Non-Inv/Inv/Step Up/Step Down Single-Out
0V to 11V 0.35A 5-Pin SOT-23 T/R**

Manufacturer:	<u>Texas Instruments, Inc</u>
Package/Case:	SOT23-5
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The SN6501 is a monolithic oscillator/power-driver, specifically designed for small formfactor, isolated power supplies in isolated interface applications. The device drives alow-profile, center-tapped transformer primary from a 3.3-V or 5-V DC power supply. The secondarycan be wound to provide any isolated voltage based on transformer turns ratio.

The SN6501 consists of an oscillator followed by a gate drive circuit that provides thecomplementary output signals to drive the ground referenced N-channel power switches. The internallogic ensures break-before-make action between the two switches.

The SN6501 is available in a small SOT-23 (5) package, and is specified for operation attemperatures from -40°C to 125°C.

Key Features

Push-pull driver for small transformers

Single 3.3-V or 5-V supply

High primary-side current drive:
5-V Supply: 350 mA (Max)

3.3-V Supply: 150 mA(Max)

Low ripple on rectified output permits smalloutput capacitors

Small 5-Pin SOT-23 Package

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Recommended For You

SN105125DBVR

Texas Instruments, Inc
SOT23-5

SN6501QDBVRQ1

Texas Instruments, Inc
SOT23-5

BQ2050HSN-A508

Texas Instruments, Inc
SOP16

BQ2000SN-B5

Texas Instruments, Inc
SOP8

SN6505BQDBVTQ1

Texas Instruments, Inc
SOT-23-6

BQ2014HSN

Texas Instruments, Inc
SOP-16

BQ2002FSN

Texas Instruments, Inc
SOP8

BQ2002TSN

Texas Instruments, Inc
SOP-8

BQ2004HSN

Texas Instruments, Inc
SOP16

BQ2004SN

Texas Instruments, Inc
SOP16

BQ2002SN

Texas Instruments, Inc
SOP8

BQ2057WSNTR

Texas Instruments, Inc
SOP8

BQ2004ESN

Texas Instruments, Inc
SOP16

BQ2000TSN-B5

Texas Instruments, Inc
SOP8

BQ2004HSNTR

Texas Instruments, Inc
SOP16