


Fuel Gauge Li-Ion/Li-Pol 7.2V/10.8V/14.4V 38-Pin TSSOP T/R

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



Images are for reference only

[Inquiry](#)

General Description

The LMV358-N and LMV324-N are low-voltage (2.7 V to 5.5 V) versions of the dual and quad commodity op amps LM358 and LM324 (5 V to 30 V). The LMV321-N is the single channel version. The LMV321-N, LMV358-N, and LMV324-N are the most cost-effective solutions for applications where low-voltage operation, space efficiency, and low price are important. They offer specifications that meet or exceed the familiar LM358 and LM324. The LMV321-N, LMV358-N, and LMV324-N have rail-to-rail output swing capability and the input common-mode voltage range includes ground. They all exhibit excellent speed to power ratio, achieving 1 MHz of bandwidth and 1-V/ μ s slew rate with low supply current.

The LMV321-N is available in the space saving 5-Pin SC70, which is approximately half the size of the 5-Pin SOT23. The small package saves space on PC boards and enables the design of small portable electronic devices. It also allows the designer to place the device closer to the signal source to reduce noise pickup and increase signal integrity.

The chips are built with Texas Instruments's advanced submicron silicon-gate BiCMOS process. The LMV321-N/LMV358-N/LMV324-N have bipolar input and output stages for improved noise performance and higher output current drive.

Key Features

For V

LMV321-N, LMV358-N, and LMV324-N are available in automotive AEC-Q100 grade 1 and grade 3 versions

Ensured 2.7-V and 5-V performance

No crossover distortion

Industrial temperature range 40°C to +125°C

Gain-bandwidth product 1 MHz

Low supply current

LMV321-N 130 μ A

LMV358-N 210 μ A

LMV324-N 410 μ A

Rail-to-rail output swing at 10 k V

V

CM



Recommended For You

BQ51013BRHLR

Texas Instruments, Inc

VQFN20

BQ51050BRHLT

Texas Instruments, Inc

QFN

BQ51050BRHLR

Texas Instruments, Inc

VQFN-20

BQ24045DSQR

Texas Instruments, Inc

WSO10

BQ24725ARGRT

Texas Instruments, Inc

QFN

BQ7693000DBT

Texas Instruments, Inc

TSSOP30

BQ25896RTWT

Texas Instruments, Inc

QFN24

TL432BQDBZR

Texas Instruments, Inc

SOT23-3

BQ2050HSN-A508

Texas Instruments, Inc

SOP16

BQ24192RGER

Texas Instruments, Inc

VQFN24

BQ2000SN-B5

Texas Instruments, Inc

SOP8

BQ24105RHRLR

Texas Instruments, Inc

VQFN20

BQ24190RGER

Texas Instruments, Inc

VQFN24

BQ24010DRCR

Texas Instruments, Inc

QFN

TPS54360BQDDAQ1

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