

## Product Overview

### NCV4264-2: Linear Voltage Regulator, LDO, Low Iq, 100 mA

For complete documentation, see the data sheet

#### Product Description

The NCV4264-2 is functionally and pin for pin compatible with NCV4264 with a lower quiescent current consumption. Its output stage supplies 100 mA with +/-2.0% output voltage accuracy. Maximum dropout voltage is 500 mV at 100 mA load current. It is internally protected against 45 V input transients, input supply reversal, output overcurrent faults, and excess die temperature. No external components are required to enable these features.

#### Features

- Maximum 60  $\mu$ A Quiescent Current with 100  $\mu$ A load
- Protections:
  - 42 V Reverse Voltage Protection
  - Short Circuit Protection
  - Thermal Overload Protection
- Very Low Dropout
- 5.0 V and 3.3 V Fixed Output Voltage with 2% Output Voltage Accuracy
- AEC-Q100 Qualified

#### Benefits

- Save battery life when in standby mode.
- No external components required to enable protections required within any automotive applications.
- Can operate during cranking at low input voltage.

#### Applications

- Body and Chassis
- Powertrain
- Engine Control Module

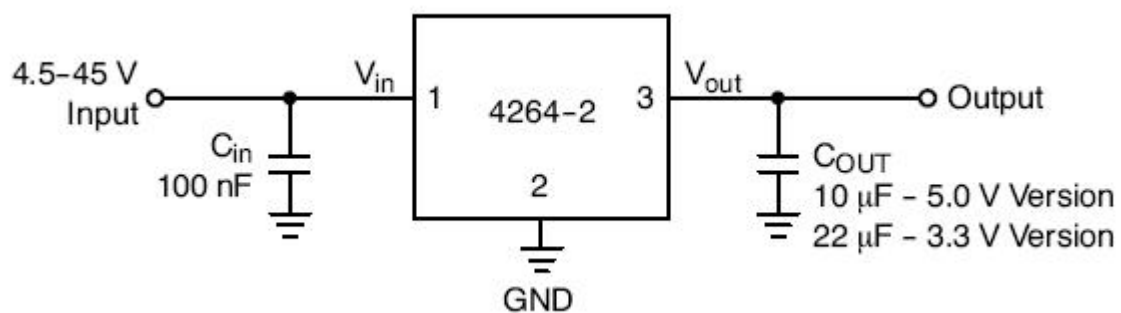
#### End Products

- Automotive

#### Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V <sub>O</sub> (V)	I <sub>O</sub> Typ (A)	V <sub>I</sub> Max (V)	V <sub>DO</sub> Typ (V)	I <sub>Q</sub> Typ (mA)	PSRR (dB)	Noise ( $\mu$ V <sub>rms</sub> )	Package Type
NCV4264-2D33R2G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.1	45	0.27	0.033	67		SOIC-8
NCV4264-2ST33T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.1	45	0.27	0.033	67		SOT-223-4 / TO-261-4
NCV4264-2ST50T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	45	0.27	0.033	67		SOT-223-4 / TO-261-4

## Application Diagram



For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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