

## Product Overview

### NSVS50030SB3: Bipolar Transistor, -50 V, -3 A, Low VCE(sat), PNP Single

For complete documentation, see the data sheet.

This device is bipolar junction transistor featuring high current, low saturation voltage, and high speed switching. Suitable for motor driver, relay driver, DC-DC converter of automotive applications. AEC-Q101 qualified and PPAP capable.

#### Features

- Large Current Capacitance
- Low Collector to Emitter Saturation Voltage
- High-Speed Switching
- High Allowable Power Dissipation
- AEC-Q101 qualified and PPAP capable
- Ultra small package facilitates miniaturization in end products (mounting height : 0.9 mm)

#### Benefits

- Enables to design easily
- Improves efficiency in operation
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- Enables to design easily
- suitable for automotive applications
- Enables shrinking board units

#### Applications

- DC / DC Converter
- Relay Drivers, Lamp Drivers, Motor Drivers
- Flash

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	V <sub>CE(sat)</sub> Max (V)	I <sub>C</sub> Cont. (A)	V <sub>CEO</sub> Min (V)	V <sub>CB0</sub> (V)	V <sub>EB0</sub> (V)	V <sub>BE(sat)</sub> (V)	V <sub>BE(on)</sub> (V)	h <sub>FE</sub> Min	h <sub>FE</sub> Max	f <sub>T</sub> Min (MHz)	P <sub>TM</sub> Max (W)	Package Type
NSVS50030SB3T1G	0.2	AEC Qualified PPAP Capable Pb-free Halide free	Active	PNP	Low V <sub>CE(sat)</sub>	0.2	3	50	100	3	0.8 8 null		200	560	360	0.9	CPH-3

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