

## Product Overview

### NST30010MXV6: Bipolar Transistor, Dual, PNP

For complete documentation, see the data sheet.

The Dual PNP Bipolar Transistor is housed in an ultra-small SOT-563 package ideally suited for portable products. It is assembled to create a pair of devices highly matched in all parameters, eliminating the need for costly trimming. Applications are Current Mirrors, Differential Sense and Balanced Amplifiers, Mixers, Detectors and Limiters.

#### Features

- Current Gain Matching to 10%
- Base-Emitter Voltage Matched to 2 mV
- Drop-In Replacement for Standard Device
- These are Pb-Free Devices
- S and NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable

#### Benefits

- Ideal for stereo pre-amplifiers
- Ideal for current mirrors
- Improve performance by upgrading to a matched device
- Green Compliant

#### Applications

- Current Mirror
- Differential Amplifier

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	$V_{CE(sat)Max}$ (V)	$I_C$ Cont. (A)	$V_{CEO} Min$ (V)	$V_{CBO}$ (V)	$V_{EBO}$ (V)	$V_{BE(sat)}$ (V)	$V_{BE(on)}$ (V)	$h_{FE} Min$	$h_{FE} Max$	$f_T$ Min (MHz)	$P_{TM} Max$ (W)	Package Type
NST30010MXV6T1G	0.22	Pb-free Halide free	Active	Dual PNP	General Purpose	0.6	0.1	30	30	5	0.9	0.82	420	800	100	0.5	SOT-563
NSVT30010MXV6T1G	0.0793	AEC Qualified PPAP Capable Pb-free Halide free	Active	Dual PNP	General Purpose	0.6	0.1	30	30	5	0.9	0.82	420	800	100	0.5	SOT-563

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

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