



Product Overview

NST30010MXV6: Bipolar Transistor, Dual, PNP

For complete documentation, see the data sheet

Product Description

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	Compliance	Status	Polarity	I_C Continuous (A)	$V_{(BR)CEO}$ Min (V)	h_{FE} Min	h_{FE} Max	f_T Min (MHz)	P_{TM} Max (W)	Package Type
NST30010MXV6T1G	AEC Qualified Pb-free Halide free	Active	Dual PNP	0.1	30	420	800	100	0.5	SOT-563
NSVT30010MXV6T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Dual PNP	0.1	30	420	800	100	0.5	SOT-563

For more information please contact your local sales support at www.onsemi.com

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