

Product Overview

NST45011MW6T1G: General Purpose Transistor, Dual NPN, Matched

For complete documentation, see the data sheet.

The Dual NPN Bipolar Transistor is housed in an ultra-small SOT-363 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

- Gain matched to 10%, Typical 2%
- V_{be} matched to 2.0 mV typical 0.5 mV
- AEC-Q101 Qualified and PPAP Capable
- NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable

Benefits

- Balanced amplifier
- Identical turn on, improved efficiency

Applications

- Power regulation
- Audio circuits
- Flip flop circuits
- LED lighting

End Products

- Power supply
- Microphone circuits

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)	$V_{BE(0)}$ (V)	h_{FE} Min	h_{FE} Max	f_T Min (MHz)	P_{TM} Max (W)	Package Type
NST45011MW6T1G	0.1333	Pb-free Halide free non AEC-Q and PPAP	Active	Dual NPN	General Purpose	6	0.1	45	50	6	0.95	0.77	200	500	100	0.38	SC-88-6 / SC-70-6 / SOT-363-6
NSVT45011MW6T3G	0.1467	AEC Qualified PPAP Capable Pb-free Halide free	Active	Dual NPN	General Purpose	6	0.1	45	50	6	0.95	0.77	200	500	100	0.38	SC-88-6 / SC-70-6 / SOT-363-6

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

Created on: 5/12/2021