



## Product Overview

### NUS2401: Bipolar Digital Transistor, NPN / PNP, Integrated

For complete documentation, see the data sheet

#### Product Description

This Integrated NPN PNP Bipolar Digital Transistor is designed to replace a discrete solution array of three transistors and their external resistor bias network. BRTs (Bias Resistor Transistors) contain a single transistor with a monolithic bias network consisting of two resistors; a series base resistor and a base-emitter resistor. The BRT technology eliminates these individual components by integrating them into a single device, therefore the integration of three BRTs results in a significant reduction of both system cost and board space.

#### Features

- Integrated Design
- Reduces Board Space & Components Count
- Simplifies Circuitry Design

#### Applications

- Audio Muting
- Drive Circuits

#### End Products

- Small Appliances, Security Systems, Automated Test Equipment
- TVs and VCRs, Stereo Receivers, CD Players, Cassette Recorders

#### Part Electrical Specifications

Product	Compliance	Status	Polarity	$I_C$ Continuous (A)	$V_{(BR)CEO}$ Min (V)	$h_{FE}$ Min	R1 (k)	R2 (k)	R1/R2 Typ	$V_{(off)}$ Max (V)	$V_{(on)}$ Min (V)	Package Type
NUS2401SNT1G	AEC Qualified Pb-free Halide free	Active	Complementary NPN & PNP	0.2	50	150	0.175	Infinity	-	-	-	SC-74

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

Created on: 7/11/2015