



Product Overview

NSBC114EF3: NPN Bipolar Digital Transistor (BRT)

For complete documentation, see the data sheet

Product Description

This series of digital transistors is designed to replace a single device and its external resistor bias network. The Bias Resistor Transistor (BRT) contains a single transistor with a monolithic bias network consisting of two resistors; a series base resistor and a base-emitter resistor. The BRT eliminates these individual components by integrating them into a single device. The use of a BRT can reduce both system cost and board space.

Features

- Simplifies Circuit Design
- Reduces Board Space
- Reduces Component Count
- S and NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable
- These Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant

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 _{ij(off)} Max (V)	V _{ij(on)} Min (V)	Package Type
NSBC114EF3T5G	AEC Qualified Pb-free Halide free	Active	NPN	0.1	50	35	10	10	1	0.8	2.5	SOT-1123-3

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

Created on: 7/11/2015