

## Product Overview

### DTA114YM3: PNP Bipolar Digital Transistor (BRT)

For complete documentation, see the data sheet.

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; AECQ101 Qualified and PPAP Capable
- These Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	I <sub>c</sub> Continuous (A)	V <sub>BRICE0</sub> Min (V)	h <sub>FE</sub> Min	R1 (kΩ)	R2 (kΩ)	R1/R2 Typ	V <sub>CE(off)</sub> Max (V)	V <sub>CE(on)</sub> Min (V)	Package Type
DTA114YM3T5G	0.0267	Pb-free Halide free	Active	PNP	0.1	50	80	10	47	0.213	0.5	1.4	SOT-723-3
NSVDTA114YM3T5G	0.0323	AEC Qualified PPAP Capable Pb-free Halide free	Active	PNP	0.1	50	80	10	47	0.213	0.5	1.4	SOT-723-3

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