

## Product Overview

### UMC2: Complementary Bipolar Digital Transistor (BRT)

For complete documentation, see the data sheet.

The Dual PNP Bipolar Digital Transistor contains a single transistor with a monolithic bias network consisting of two resistors: a series base resistor and a base-emitter resistor. These digital transistors are designed to replace a single device and its external resistor bias network. The Dual PNP Bipolar Digital Transistor eliminates these individual components by integrating them into a single device. In the UMC2NT1 series, two devices are housed in the SOT-353 package which is ideal for low power surface mount applications where board space is at a premium.

### Features

- Simplifies Circuit Design
- Reduces Board Space
- Reduces Component Count
- Available in 8 mm, 7 inch/3000 Unit Tape and Reel.
- Pb-Free Packages are Available
- NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable

### Part Electrical Specifications

Product	Compliance	Status	Polarity	$I_C$ Continuous (A)	$V_{(BR)CEO}$ Min (V)	$h_{FE}$ Min	R1 (k $\Omega$ )	R2 (k $\Omega$ )	R1/R2 Typ	$V_{(i(off))}$ Max (V)	$V_{(i(on))}$ Min (V)	Package Type
NSVUMC2NT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Complementary	0.1	50	60	22	22	1	-	-	SC-88A / SC-70-5

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