

Part No. AT-32063-TR1

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Part No.	AT-32063-TR1
Description	<a href="#">Low Current, High Performance NPN Silicon Bipolar Transistor</a>
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Html View	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> <a href="#">6</a> <a href="#">7</a> <a href="#">8</a>
Manufacturer	HP [Agilent(Hewlett-Packard)]
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List of Figures

1. Test circuit for Noise Figure and Associated Gain. This circuit is a compromise match between best noise figure, best gain
2. Minimum Noise Figure vs. Frequency and Current at VCE = 2.7 V
3. Associated Gain at Optimum Noise Match vs. Frequency and Current at VCE = 2.7 V
4. Power at 1 dB Gain Compression vs. Frequency at VCE=2.7V and IC = 20 mA
5. 1 dB Compressed Gain vs. Frequency at VCE = 2.7 V and IC=20mA
6. Third Order Intercept vs. Frequency and Bias at VCE = 2.7 V, with Optimal Tuning
7. Gain vs. Frequency at VCE=1V, IC = 1mA
8. Gain vs. Frequency at VCE=2.7 V, IC = 2mA
9. Gain vs. Frequency at VCE=2.7 V, IC = 5mA
10. Gain vs. Frequency at VCE=2.7 V, IC = 20mA
11. Gain vs. Frequency at VCE =5 V, IC = 2mA
12. Gain vs.

## Low Current, High Performance NPN Silicon Bipolar Transistor

### Technical Data

#### Features

- **High Performance Bipolar Transistor Optimized for Low Current, Low Voltage Operation**
- **900 MHz Performance: 1.1\_dB NF, 14.5\_dB G<sub>A</sub>**
- **Characterized for End-of-Life Battery Use (2.7 V)**
- **SOT-363 (SC-70) Plastic Package**
- **Tape-and-Reel Packaging**

#### Description

The AT-32063 contains two high performance NPN bipolar transistors in a single SOT-363 package. The devices are unconnected, allowing flexibility in design. The pin-out is convenient for cascode amplifier designs. The SOT-363 package is an industry standard plastic surface mount package.

The 3.2 micron emitter-to-emitter pitch and reduced parasitic design of the transistor yields extremely

#### AT-32063

LNA, gain stage, buffer, oscillator, or active mixer. Typical amplifier designs at 900 MHz yield 1.3 dB noise figures with 12 dB or more associated gain at a 2.7 V, 5 mA bias, with noise performance being relatively insensitive to input match. High gain capability at 1 V, 1 mA makes this device a good fit for 900 MHz pager applications. Voltage breakdowns are high enough for use at 5 volts.

The AT-3 series bipolar transistors

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<a href="#">FZT855</a>	NPN SILICON PLANAR HIGH CURRENT HIGH PERFORMANCE TRANSISTOR	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a>	Zetex Semiconductors
<a href="#">BC846W-BC850W</a>	NPN Silicon AF Transistor For AF input stages and driver applications High current gain Low collector-emitter saturation voltage	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> <a href="#">More</a>	Siemens Semiconductor Group
<a href="#">NTE16006</a>	Silicon NPN Transistor Low Frequency Output Amp w/High Current Gain	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a>	NTE Electronics
<a href="#">CMLM7405</a>	MULTI DISCRETE MODULE SURFACE MOUNT HIGH CURRENT LOW VCE SAT SILICON NPN TRANSISTOR AND LOW VF SILICON SCHOTTKY DIODE	<a href="#">1</a> <a href="#">2</a>	Central Semiconductor Corp
<a href="#">CMLM3405</a>	MULTI DISCRETE MODULE SURFACE MOUNT HIGH CURRENT LOW VCE SAT SILICON NPN TRANSISTOR AND LOW VF SILICON SCHOTTKY DIODE	<a href="#">1</a> <a href="#">2</a>	Central Semiconductor Corp
<a href="#">AT-30511</a>	Low Current High Performance NPN Silicon Bipolar Transistor	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> <a href="#">More</a>	Agilent(Hewlett-Packard)
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<a href="#">AT-31011</a>	Low Current High Performance NPN Silicon Bipolar Transistor	<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> <a href="#">More</a>	Agilent(Hewlett-Packard)

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