

# ADVANCE INFORMATION

All information in this data sheet is preliminary and subject to change.

8/97



## Low-Noise, 2.5GHz Upconverter Mixer

MAX2662

### General Description

The MAX2662 is a low-cost, low-noise upconverter designed for low-voltage operation. Ideal for battery-powered applications, this device operates with IF input frequencies between 10MHz and 500MHz, and upconverts to carrier frequencies as high as 2.5GHz.

A shutdown mode reduces the supply current to less than 1 $\mu$ A. The MAX2662 comes in a space-saving, 6-pin SOT23 package.

### Applications

2.4GHz Industrial Scientific Medical (ISM)

900MHz ISM

Hand-Held Radios

Wireless Local Area Network

Personal Communications Systems

Cellular and Cordless Phones

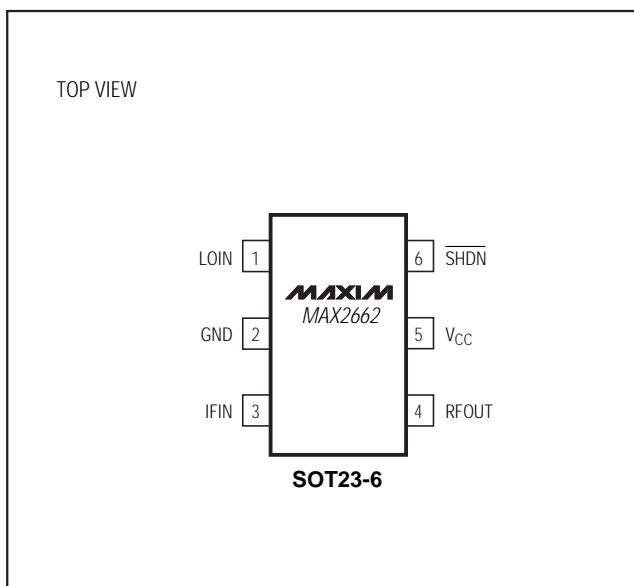
### Features

- ◆ Improved Performance over NEC8106/NEC8109
- ◆ Low Cost
- ◆ +2.7V to +5.5V Supply Voltage
- ◆ Wideband Operation
- ◆ Low Current Consumption
- ◆ High Output Intercept Point
- ◆ <1 $\mu$ A Shutdown Mode
- ◆ Ultra-Small, 6-Pin SOT23 Package

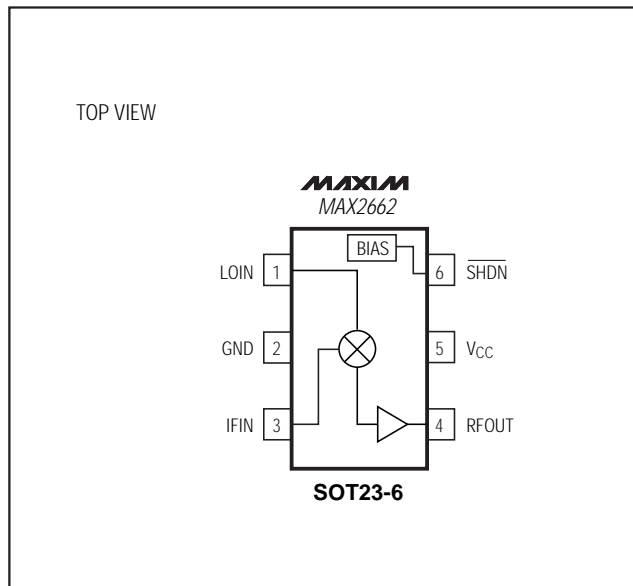
### Ordering Information

PART	TEMP. RANGE	PIN-PACKAGE
MAX2662EUT-T	-40°C to +85°C	6 SOT23-6

### Pin Configuration



### Functional Diagram



Maxim Integrated Products 1

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For small orders, phone 408-737-7600 ext. 3468.