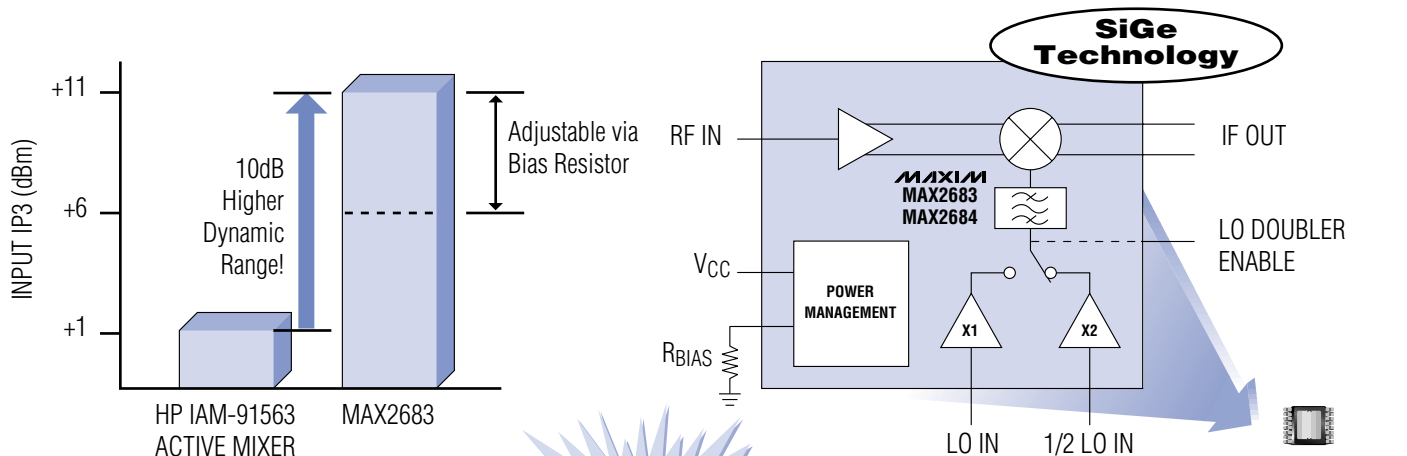


FIRST 3.5GHz ACTIVE MIXER WITH HIGH DYNAMIC RANGE: +11dBm IIP3

The MAX2683/MAX2684 are the highest dynamic range active mixers available on the market. The IP3 is adjustable via a bias resistor, allowing the user to save supply current by setting the required IP3 for the system. With over 6dB conversion gain and -42dBm LO leakage, these mixers not only save cost over passive mixer designs but also improve overall system performance.



Advantages Over Passive Mixers:

- ◆ 20dB Better LO to RF Isolation
- ◆ One Less Gain Stage, Integrated LO Doubler and Filter

Ideal For:

- ◆ Wireless Local Loop
- ◆ Wireless Broadband Access
- ◆ Digital Microwave Radio

Reduce Filter Complexity and Cost!

Mixer Features:

- ◆ Adjustable IP3 and Supply Current
- ◆ Full or 1/2 LO Frequency Input
- ◆ Integrated LO Buffer and Filter
- ◆ Broad Frequency Range
 - ◆ 3.4GHz to 3.8GHz RF IN
 - ◆ 100MHz to 400MHz IF OUT (MAX2683)
 - ◆ 800MHz to 1000MHz IF OUT (MAX2684)
- ◆ +2.7V to +5.5V Single Supply

Save 60% Cost and 40% Board Space



Subscribe to Maxim's EE-Mail™ today to receive automatic new product updates via e-mail. Go to www.maxim-ic.com for easy signup.

CALL TOLL-FREE 1-800-998-8800 for a Design Guide or Free Sample
6:00 a.m. – 6:00 p.m. Pacific Time

MAXIM
www.maxim-ic.com

1999 EDITION!
FREE FULL-LINE DATA CATALOG
ON CD-ROM



For Small-Quantity Orders Call (800) 835-8769 or Visit <http://www.maxim-ic.com>

MasterCard® and Visa® are accepted for evaluation kits and small-quantity orders.

Maxim Integrated Products, 120 San Gabriel Drive, Sunnyvale, CA 94086, (408) 737-7600, FAX (408) 737-7194.

Distributed by Maxim Distribution, Arrow, Avnet Electronics Marketing, CAM RPC, Digi-Key, Elmo, Nu Horizons, and Zeus.
Distributed in Canada by Arrow and Avnet Electronics Marketing.

MAXIM is a registered trademark of Maxim Integrated Products. © 2000 Maxim Integrated Products.