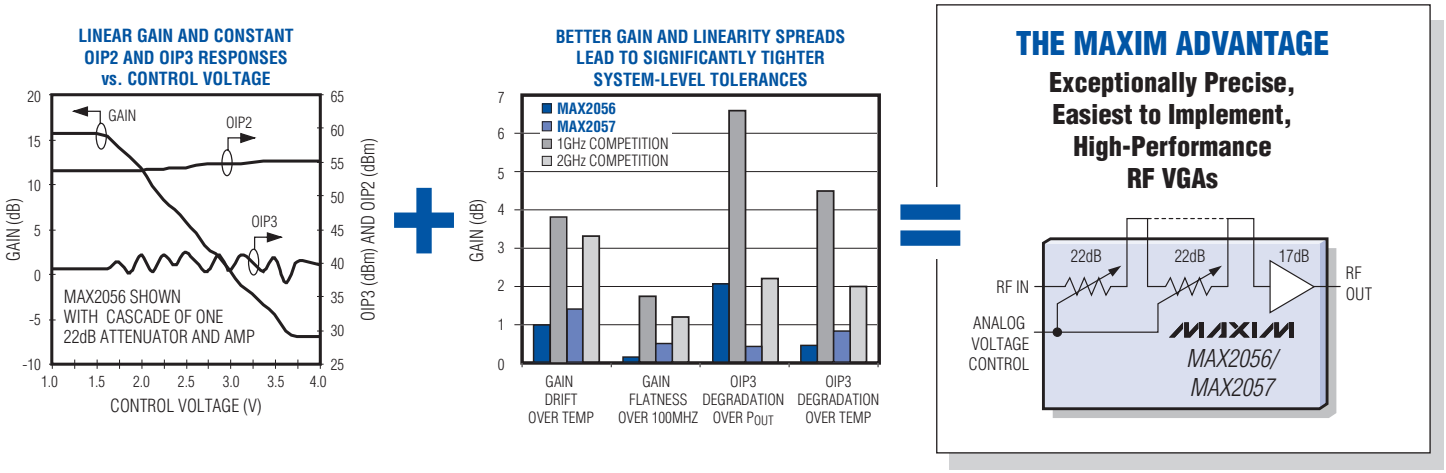
HIGH-PERFORMANCE RF VGAs DELIVER CONSTANT OIP3 OF UP TO 39dBm

Monolithic Implementation Achieves >40dB of *Linearly* Controlled Dynamic Range with Excellent Gain and Temperature Flatness



- **Ideal for Cellular, PCS/DCS, W-CDMA, and WLAN Apps**
  - MAX2056: 800MHz to 1000MHz
  - MAX2057: 1700MHz to 2500MHz
- **Outstanding Linearity**
  - Best-in-Class OP1dB of 24dBm
  - Exceptional OIP3 and OIP2 Responses over *ALL* Attenuation Settings, Temperature, and P_{OUT}
- **Low NF Allows These Devices to Be Used as IF VGAs in Microwave Receivers**
  - MAX2056: 4.5dB
  - MAX2057: 6dB
- **Unparalleled Gain Flatness**
- **Superior Gain-Drift Performance over Competing Solutions**
- **Flexible, Easy-to-Implement Architecture**
  - Selectable 22dB or 44dB of Attenuation Range, Controlled with One Common Voltage
  - Linear Gain vs. Control Voltage Response Eliminates the Need for Complex Control Circuitry Required by Competitive RF VGAs
  - Matched 50Ω Inputs and Outputs Simplify Design and Reduce Off-Chip Component Cost
- **Space-Saving, 6mm x 6mm, 36-Pin TQFN Package; Lead-Free Versions Also Available**

Free Product Slide Rule! Visit website for details.

MAXIM

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