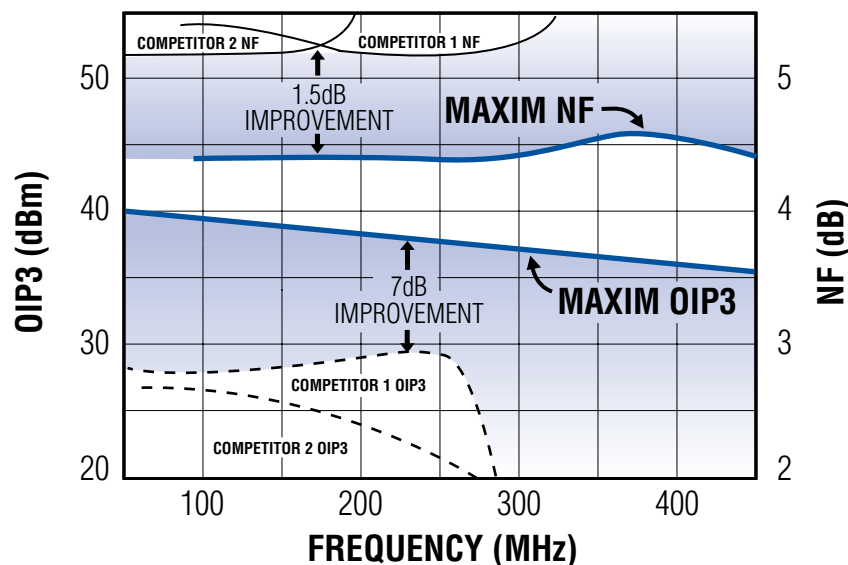


LOWEST NOISE, HIGHEST LINEARITY SiGe INTEGRATED DVGA

With a Noise Figure of 4.7dB, and a Superb OIP3 of 40dBm, the MAX2027 has 23dB of Gain Range with ± 0.2 dB Accuracy



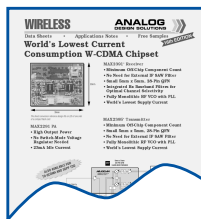
Introducing Maxim's **HIGH-PERFORMANCE RF VGAs**

The MAX2027 is a highly integrated, high-performance, digitally controlled variable-gain amplifier. Implemented in an advanced SiGe process, the MAX2027 combines a high-accuracy switched digital attenuator and a high-linearity, low-noise amplifier while delivering robust reliability and enhanced ESD protection. The MAX2027 was designed to meet the demanding performance needs of cellular base stations, broadband fixed wireless systems, and other communications receiver architectures. The Maxim **High-Performance RF** series of VGAs is ideal for IF applications driving high-performance ADCs, reducing board space and cost without compromising performance.

Part	Output Configuration	IF Frequency (MHz)	Gain Range (dB)	Gain Steps (dB)	Gain Accuracy (dB)	OIP3 (dBm)	NF (dB)	2nd Harmonic (dBc)**	Pin-Package	Price† (\$)
MAX2027EUP-T	Single Ended	50 to 400	-8 to +15	1	± 0.2	40	4.7	-42	20-TSSOP	4.95
MAX2055EUP-T*	Differential	30 to 300	-3 to +20	1	± 0.2	42	4.7	-70	20-TSSOP	—

†1000-up recommended resale, FOB USA. Prices provided are for design guidance and are for the lowest grade, commercial temperature parts. International prices will differ due to local duties, taxes, and exchange rates. Prices are subject to change. Not all packages are offered in 1k increments, and some may require minimum order quantities.

*Future product—contact factory for availability and pricing. ** $P_{OUT} = 5$ dBm



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