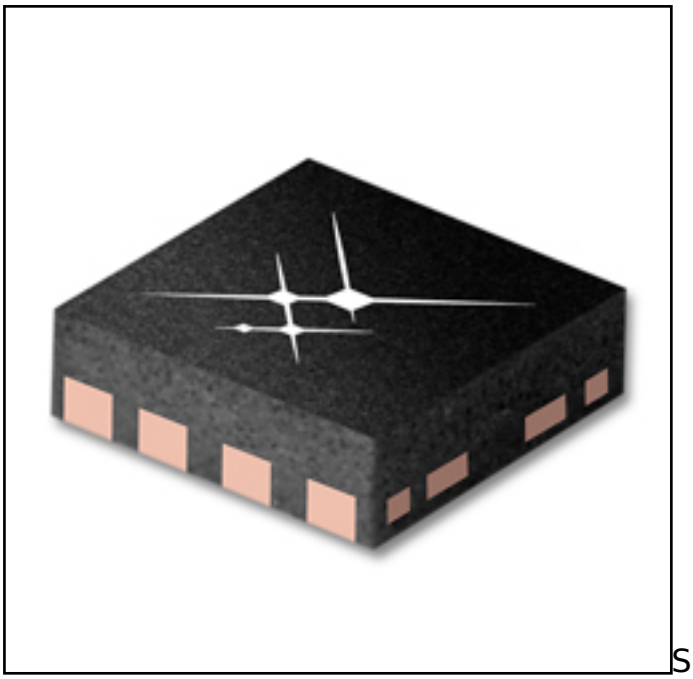
LNAs tout very low noise figure for consumer, military and industrial apps



Skyworks Solutions, Inc. announced a portfolio of low noise amplifiers (LNAs) that provide a desirable noise figure, a critical component to boosting weak incoming signals for today's 4G wireless infrastructure as well as diverse broad market systems including GPS, broadband, military and satellite communications. OEMs can now leverage a single Skyworks LNA to address all cellular, ISM and military bands, enabling unconditional stability and simple band specific external matching across a wide voltage range. The SKY67151-396LF high performance gallium arsenide, pseudomorphic high electron mobility transistor LNA features integrated active bias and very low noise figure (as low as 0.25 dB). The advanced 0.25 um enhancement mode process provides broadband return loss, high gain, very low noise and high amplifier linearity. The internal active bias circuitry provides stable performance over temperature and process variation. The device allows users to externally adjust supply current to optimize linearity and provides best-in-class noise figure. The new LNA operates over the broad frequency range of 0.7 to 3.8 GHz. Four band-specific external tuning networks with common printed circuit board layouts are available to cover the full 3,000 MHz bandwidth.

Skyworks Solutions, Inc., www.skyworksinc.com [1]

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