# Abstracts

## Novel high-Q bondwire inductors for RF and microwave monolithic integrated circuits

*Sung-Jin Kim, Yong-Goo Lee, Sang-Ki Yun and Hai-Young Lee. "Novel high-Q bondwire inductors for RF and microwave monolithic integrated circuits." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1621-1624 vol.4.*

A novel high-Q on-chip inductor using bondwire loops is proposed for low cost and high performance silicon RF and microwave monolithic integrated circuits. The measured maximum quality factor and the self-resonant frequency are 29(18) and 19.6(12) GHz for 2.8(4.9) nH inductance, respectively. The bondwire inductor is expected to greatly improve the performance of silicon RFIC's and MMIC's.

❑ Return to main document.