Precision Analog ICs Support Enterprise Access Points, Cable Set-Top Boxes and Wireless Video Systems

WOBURN, Mass. -- (BUSINESS WIRE) -- Skyworks Solutions is ramping production of various precision analog ICs in support of several customers launching fiber to the curb (FTTC), fiber to the home (FTTH), cable set-top boxes and wireless video systems. Cisco and Motorola, among others, are leveraging Skyworks' industry-leading power amplifiers, LNAs, gain blocks, attenuators, pin and varactor diodes, as well as switches to enable greater network reliability.

"Consumer demand for anytime, anywhere Internet access is creating exciting new growth avenues for Skyworks as carriers make significant investments in their networks to support wider adoption of new, lucrative services," said David Stasey, vice president of analog components at Skyworks. "Skyworks is delighted to be supporting multiple new markets with differentiated solutions that enable a host of wireless applications for today's consumer."

According to the Cisco Visual Networking Index: Global Mobile Data Traffic Forecast Update, mobile data traffic is expected to grow at a compound annual growth rate (CAGR) of 92 percent from 2010 to 2015.

Skyworks' Digital Attenuators

Skyworks offers a broad selection of GaAs digital attenuators, PIN diode voltage variable attenuators, and silicon fixed attenuator pads for infrastructure, test and measurement, and other high-performance microwave applications up to 40 GHz. High attenuation accuracy allows precise power control. Skyworks' featured attenuators include: the AA103-72LF, AA104-73LF and AA116-72LF.

Skyworks' PIN and Varactor Diodes

Skyworks' diode product offering includes PIN, Schottky, varactor and limiter diodes for a wide variety of microwave applications including WLAN, infrastructure, handset, SATCOM (LNB/DBS-CATV), automotive, military, test and measurement, metering, medical, and RFID. The discrete silicon and GaAs semiconductors are available as die, plastic packaged, surface mount (SMT) and ceramic hermetic packaged devices. Frequency ranges include low frequency, HF, VHF, UHF, L band, S band, C band, X band, KU band, K band, and Ka band. Skyworks' featured diodes include: the SMV1255 Series and SMS7621 Series.

Skyworks' Power Amplifiers, Low Noise Amplifiers and Gain Blocks

Skyworks' broad selection of PAs and LNAs are designed for cellular applications and diverse markets such as wireless infrastructure, WLAN, automotive, test and measurement, energy management and other high-performance microwave applications. Skyworks' LNAs meet the needs of cellular infrastructure, WLAN, WiMAX, ISM, and all applications requiring LNAs from DC to 6 GHz, making the devices dual-band capable. The MMIC products are offered in enhancement mode (E Mode LNA) and depletion mode (D Mode LNA) pHEMT amplifiers achieving sub 1 dB noise figure for better Rx sensitivity, and high-linearity performance. Skyworks' featured devices include: the SKY6501X Series, SKY65152-11 and SKY65404-21.

Skyworks' Switches

Skyworks' broad selection of GaAs switches for diverse markets such as WLAN, handset, wireless infrastructure, SATCOM (LNB/DBS–CATV), automotive, test and measurement, energy management, and other microwave applications are available in many different configurations including broadband, high power, high isolation, low insertion loss enabling higher transmit power, reflective, and non-reflective. The lead (Pb)-free, RoHS-compliant and Green™ high quality products are available for applications including antenna transmit/receive (T/R) switches for use in cellular handsets and WLAN systems, synthesizer switches for infrastructure needs, and many other high volume, high performance requirements. Skyworks' featured switches include: the SKY13276-334, SKY13352-337LF and SKY13353-337LF.

Source URL (retrieved on *03/31/2015 - 3:39am*):
http://www.wirelessdesignmag.com/news/2011/03/precision-analog-ics-support-enterprise-access-points-cable-set-top-boxes-and-wireless-video-systems?qt-most_popular=0