

For Immediate Release

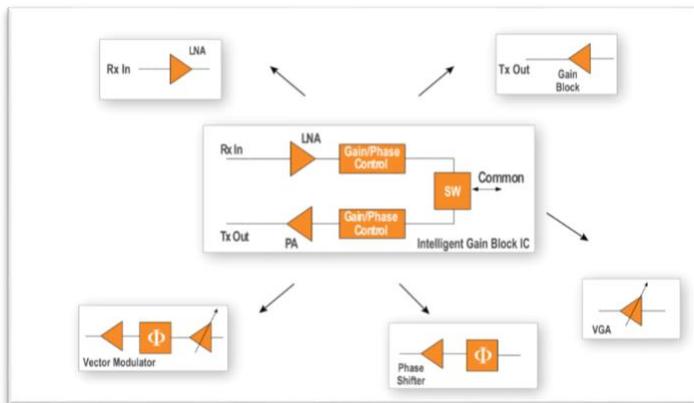
Millimeter-Wave Intelligent Gain Blocks™
Anokiwave’s Latest ICs in a Family of Single Channel Versatile Silicon ICs

Anokiwave is introducing its second set of Intelligent Gain Block™ ICs in its family of mmWave multi-market solutions.

San Diego, CA, 22 May, 2018: Continuing to redefine the traditional single function gain blocks, Anokiwave is releasing a set of two new ICs in a family of multi-function microwave and millimeter-wave Silicon ICs, offering complete transmit/receive functionality with active gain and phase control. The new IC family, also called “Intelligent Gain Blocks” (IGB), offer versatile RF blocks that can be used in wide range of applications including SATCOM, RADAR, 5G communications, and sensing.



The AWMF-0141 and AWMF-0143 are similar to the previously released ICs in the IGB family, and provide a PA, LNA, 6-bit gain and phase control without the T/R switch, all integrated into single IC in Ku and Ka-bands. Removing the T/R switch allows more flexibility and improved output power and noise figure. The AWMF-0141 operates from 10.5 GHz to 16.0 GHz providing +13.5 dBm power output during transmit and 1.5 dB noise figure during receive. The AWMF-0143 operates from 26.0 GHz to 30.0 GHz with +13 dBm of power output during transmit and 3.0 dB noise figure during receive. Both ICs provide 31.5 dB of dynamic range and are packaged in a 2.5 mm x 2.5 mm WLCSP.



“The unique design of these ICs allows them to be used for highly integrated millimeter-wave arrays (such as 5G, SATCOM or phased array RADARs) or as a replacement of single function discrete blocks,” states Abhishek Kapoor, Anokiwave VP of Sales. “With this new product family, designers can now use the same IC for multiple functions across the RF signal chain, have increased control using a software interface, and provide equivalent or better performance than traditional discrete GaAs ICs. We see these as the versatile new intelligent gain blocks of the microwave and millimeter-wave world.”

Availability:

Anokiwave offers evaluation kits for ease of adoption of the technology and capabilities. The kits include boards with the IC, USB-SPI interface module with drivers, and all required cables. Pilot production deliveries are available now.

About Anokiwave:

Anokiwave is a leading provider of highly integrated IC solutions for communications and RADAR applications that require millimeter wave Active Antenna based solutions. Anokiwave’s creative system architectures and optimal selection of semiconductor technologies solve the toughest engineering problems.

Anokiwave is based in San Diego, California and operates design centers in Phoenix, Arizona and Boston, Massachusetts. Additional information can be found at www.anokiwave.com.

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