



## Skyworks Launches Suite of Custom Waveguide Circulators for 5G Infrastructure

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*Proprietary Solutions Support Massive MIMO and Small Cell Architectures*

IRVINE, Calif.--([BUSINESS WIRE](#))--Skyworks Solutions, Inc. (NASDAQ: SWKS), an innovator of high performance analog semiconductors connecting people, places and things, today unveiled its newest family of mini circulators for 5G infrastructure. Circulators, which play a critical role in protecting RF elements from excessive signal reflection, help eliminate performance risks and safeguard vital equipment. Given footprint constraints in 5G, solution size is also a key factor. Leveraging proprietary materials and processes, Skyworks' ultra-small circulators occupy up to 50 percent less board space than competitive products without compromising functionality—making them ideal for 5G massive MIMO and small cell applications.

Skyworks' mini circulator family represents just one segment of the company's expansive 5G infrastructure portfolio, which includes best-in-class high-efficiency drivers and small cell power amplifiers, advanced low noise amplifiers (LNAs) with integrated high-power switches and a broad range of individual RF devices. By providing key base station partners with comprehensive platforms, Skyworks is facilitating an essential first step in the deployment of 5G and ensuring the standard's rapid commercialization.

"Skyworks is excited to once again be at the forefront of leading technologies enabling 5G," said David Stasey, vice president and general manager of diversified analog solutions for Skyworks. "Our ultra-compact, high performance circulators demonstrate how we are leveraging our unique capabilities to enhance network efficiency and deliver higher capacity with greater coverage. When combined with our mobile and Internet of Things solutions, we are truly empowering end-to-end 5G connectivity."

According to a March 2019 report from Allied Market Research, the global 5G infrastructure market is estimated to reach \$58 billion by 2025, up from \$371 million in 2017, representing a compound annual growth rate of 96 percent. Growing penetration of machine-to-machine/Internet of Things connections and the surge in demand for mobile broadband services are significant drivers.

### About Skyworks' 5G Circulators

Skyworks' suite of mini circulators is available in 7 mm and 10 mm packages, both of which support the size requirements of 5G infrastructure applications. These compact, high performance devices deliver optimal power handling and low insertion loss, improving the efficiency of the accompanying power amplifier. Select products from Skyworks' portfolio include:

- [SKYFR-001692](#) – 3400 to 3600 MHz single-junction robust lead circulator
- [SKYFR-001657](#) – 3400 to 3600 MHz single-junction robust lead circulator

For more information, visit Skyworks' [5G Infrastructure Solutions](#).

### About Skyworks

Skyworks Solutions, Inc. is empowering the wireless networking revolution. Our highly innovative analog semiconductors are connecting people, places and things spanning a number of new and previously unimagined applications within the aerospace, automotive, broadband, cellular infrastructure, connected home, industrial, medical, military, smartphone, tablet and wearable markets.

Skyworks is a global company with engineering, marketing, operations, sales and support facilities located throughout Asia, Europe and North America and is a member of the S&P 500® and Nasdaq-100® market indices (NASDAQ: SWKS). For more information, please visit Skyworks' website at: [www.skyworksinc.com](http://www.skyworksinc.com).

### Safe Harbor Statement

Any forward-looking statements contained in this press release are intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. Forward-looking statements include without limitation information relating to future events, results and expectations of Skyworks. Forward-looking statements can often be identified by words such as "anticipates," "expects," "forecasts," "intends," "believes," "plans," "may," "will" or "continue," and similar expressions and variations (or negatives) of these words. Actual events and/or results may differ materially and adversely from such forward-looking statements as a result of certain risks and uncertainties including, but not limited to, our ability to timely and accurately predict market requirements and evolving industry standards and to identify opportunities in new markets; our ability to develop, manufacture, and market innovative products and avoid product obsolescence; our ability to compete in the marketplace and achieve market acceptance of our products; the availability and pricing of third-party semiconductor foundry, assembly and test capacity, raw materials and supplier components; the quality of our products; and other risks and uncertainties identified in the "Risk Factors" section of Skyworks' most recent Annual Report on Form 10-K (and/or Quarterly Report on Form 10-Q) as filed with the Securities and Exchange Commission ("SEC"). Copies of Skyworks' SEC filings can be obtained, free of charge, on Skyworks' website ([www.skyworksinc.com](http://www.skyworksinc.com)) or at the SEC's website ([www.sec.gov](http://www.sec.gov)). Any forward-looking statements contained in this press release are made only as of the date hereof, and we undertake no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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