



New Product Announcement

Low Insertion Loss / High-Isolation Switch for 5G Automotive Applications

Skyworks is pleased to introduce the [SKY5A1007](#), a new switch in our portfolio of Sky5[®] product solutions, designed to support the ever-growing demand for cellular vehicle-to-everything (C-V2X) connectivity. The [SKY5A1007](#) is a state-of-the-art CMOS, silicon-on-insulator (SOI) double-pole, double-throw (DPDT) switch with high-linearity performance, low insertion loss, and high isolation. The device enables high speed switching between antennas for high data throughput and minimizes the need for additional filtering. The [SKY5A1007](#) meets the necessary requirements for 5G automotive telematics including operation within cellular, 5GNR and 5.9 GHz C-V2X bands, while supporting the wide temperature range needed for this emerging technology.

Features:

- 0.4 to 5.9 GHz operating range **to support 2G, 3G, LTE Cellular and 5G telematics**
- 30 dB Isolation at 6 GHz **provides extremely low loss for C-V2X**
- Low 0.7 dB insertion loss at 5.9 GHz for **increased range**
- **Extended operating temperature range -40 to 105°C**
- **Automotive PPAP and IMDS material declaration supported**
- **Compact reliable 1.8 x 1.8 mm DFN package**



Sales and Technical Support

Pricing depends on quantities. Please contact a sales representative at sales@skyworksinc.com or visit the company's website at www.skyworksinc.com for more information.

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.

