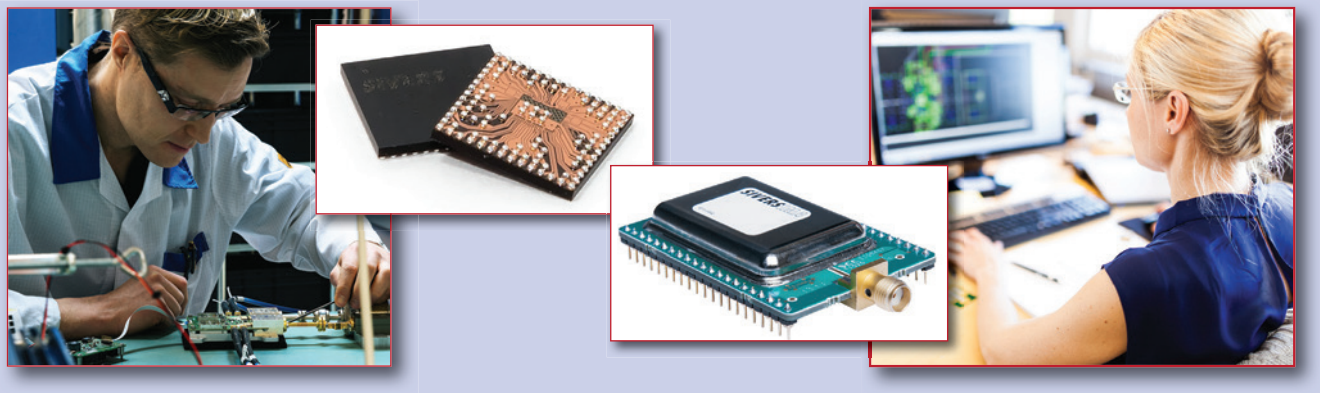
Sivers IMA–Developing Advanced Millimeter Wave Technology



Sivers IMA is a leading developer and manufacturer of microwave and millimeter wave (mmWave) products with more than 60 years of accumulated innovation. The Sivers story began in 1951 when a Swedish engineer, Carl von Sivers, who had a passion for and a belief in microwave and mmWave technology, founded Sivers Lab AB in Stockholm. The company's development attracted outside interest and Philips, Sweden acquired Sivers Lab AB in 1960, adding active circuits and signal sources to the product line.

In 1983, Philips, Sweden acquired IMA AB, another Stockholm-based company, which produced microwave components, hybrid products and high stability local oscillators for radars, merging it with Sivers Lab to form Sivers IMA. The Sivers Lab part was later acquired by Cobham.

In 1990, the decision was taken for Sivers IMA to approach the market as an independent supplier. SI Holding AB was created from a management buy-out from Philips. A year later, Sivers IMA took up residence in its present headquarters in the Kista district of Stockholm, where the management, research and development and sales and marketing are based. Facilities include a 200 square meter laboratory for prototyping and small volume production, and a clean room of around 270 square meters.

Sivers IMA has an additional sales office and R&D department in Gothenburg that houses a 140 square meter laboratory. The company has also established itself as a global player in the mmWave sector, which, in part, is serviced by high volume production partners in Asia.

The business is currently divided into three product categories. The first is converters and customized transceivers, including mmWave products for E- and V-Band radio links and WiGig products. In the radar sensors sector, the company is developing its radar product offering to include signal processing, with the third category being signal sources.

Sivers IMA serves the worldwide market with reliable products through the development of advanced technology. It is at the forefront of innovation, with an example being the introduction last year of a fully integrated V-Band transceiver RFIC in an advanced low-cost SiGe technology. Another stepping stone in the technology development of Sivers IMA´s products is the beamforming WiGig transceiver RFIC, which is currently being validated.

Throughout the company, the emphasis is on quality. Sivers IMA is ISO 9001:2008 certified and its quality system is an integral part of the management methodology. Quality improvements are actively pursued through programs aimed at enabling each employee to do her or his job right the first time and every time.

Scandinavia has a reputation for "green" policies, and the environment is a key consideration for Sivers IMA. During design, product development and production, the company actively seeks to minimize resource usage and hazardous substances, reduce energy consumption during use of the products themselves and endeavors to reduce the environmental impact and conserve natural resources by minimizing waste and emissions and reusing and recycling materials.

Sivers IMA has a legacy of innovative technology going back to the early 1950s that it has nurtured and developed. In April 2017, the company also acquired all shares in CST Global, a privately held company that designs, manufactures and supplies III-V compound semiconductors. Sivers IMA's strategy is not just to be a developer and manufacturer of advanced microwave and mmWave semiconductors but also for optical semiconductors. The company is now in a position to exploit the development of mmWave technology as well as optical semiconductors, which are both going to play an increasingly significant role in satisfying the communications-driven and Gigabit-hungry needs of society.

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