

At IMS 2019, Teledyne Defense Electronics Unveils New Products Along with an Unrivaled Breadth of RF/MW Solutions

TDE booth features the world's first K-Band capable Digital-to-Analog Converter

RANCHO CORDOVA, CA – May 30, 2019 – [Teledyne Defense Electronics](#) (TDE) will be featuring a comprehensive mix of the most advanced RF & Microwave products and capabilities next week at the annual International Microwave Symposium 2019 in Boston in **Booth 1124**. Eight separate Teledyne brands currently offer a wide variety of RF/MW solutions to leading companies and government agencies worldwide.

These TDE brands together serve global customers in markets spanning Airborne, Electronic Warfare, Missiles, Space, Radar, Test and Measurement, and Satellite Communications. Participating Teledyne companies at Booth 1124 will include [Teledyne e2v Semiconductors](#), [Teledyne e2v RF Power -- Defence](#), [Teledyne Labtech](#), [Teledyne Microwave Solutions](#) (RF & Microwave Products), [Teledyne MEC](#) (TWT Products), [Teledyne Relays / Teledyne Coax Switches](#), [Teledyne Scientific](#), and [Teledyne Storm Microwave](#).

The experienced engineering resources and research and development teams embedded within TDE continue to develop and bring to market innovative RF/MW technologies to meet emerging challenges in each of the markets we serve. Here is an overview of the capabilities being showcased next week in Booth 1124.

IMS 2019: Featured Teledyne Defense Electronics Capabilities

- The world's first K-Band capable [Digital-to-Analog Converter](#) (DAC) from Teledyne e2v Semiconductors, providing signal conversion up to 26 GHz for Ku-Band.
- A new 1.35 mm connector provides additional design and connectivity solutions for the SF047EW (E and W Band) cable from Teledyne Storm. Regardless of the transmission media, the complexity and bandwidth needs of 5G signals require RF signal paths of exceptional fidelity, phase linearity and loss performance. The [SF047EW cable](#) is optimized for broadband connectivity—combining the proven durability and robustness of the Storm Flex® 047 cable, enhanced with improved insertion loss stability and flexure.
- Breakthrough PCB thermal management capabilities using copper coin technology from Teledyne Labtech. [Read the white paper](#) contrasting this and other thermal management techniques.
- [Amplifiers, RF Modules, and a comprehensive line of advanced RF/MW Components](#) from the experts in SWaP optimization, Teledyne Microwave Solutions. The product lines emphasize X, Ku, and Ka-Band solutions along with high efficiency GaN technology.
- Compact, high power Q and Ka-Band traveling wave tubes (TWTs) with industry-leading frequency and power from one of the longtime world leaders in [TWT technology](#), Teledyne MEC.
- Microwave Power Modules, compact Helix TWTs, Multifunctional Microwave Assemblies, and RF Receiver Protection from [Teledyne e2v RF Power – Defense](#).
- Two new 5G RF Switches from Teledyne Relays / Teledyne Coax Switches. The Indium Phosphide (InP) [InP1012-60 Active RF Single Pole Double Throw \(SPDT\)](#) features a DC-60 GHz bandwidth, signal integrity above 40 Gbps, and 100ns switching times. [The CCR-50U 53 GHz Coaxial SPDT](#) features DC-53 GHz bandwidth, 5 million cycle actuator life, and provides superior RF performance and signal integrity.
- Millimeter Wave (mmWave) InP Power Amplifiers with the highest bandwidth and industry-leading efficiency from 30 GHz to 300 GHz from Teledyne Scientific.

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About Teledyne Defense Electronics

Serving Defense, Space and Commercial sectors worldwide, Teledyne Defense Electronics offers a comprehensive portfolio of highly engineered solutions that meet your most demanding requirements in the harshest environments. Manufacturing both custom and off-the-shelf product offerings, our diverse product lines meet emerging needs for key applications for avionics, energetics, electronic warfare, missiles, radar, satcom, space, and test and measurement . www.teledynedefelec.com. TDE is a business unit of Teledyne Technologies, Inc., a leading provider of sophisticated instrumentation, digital imaging products and software, aerospace and defense electronics, and engineered systems. www.teledyne.com

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