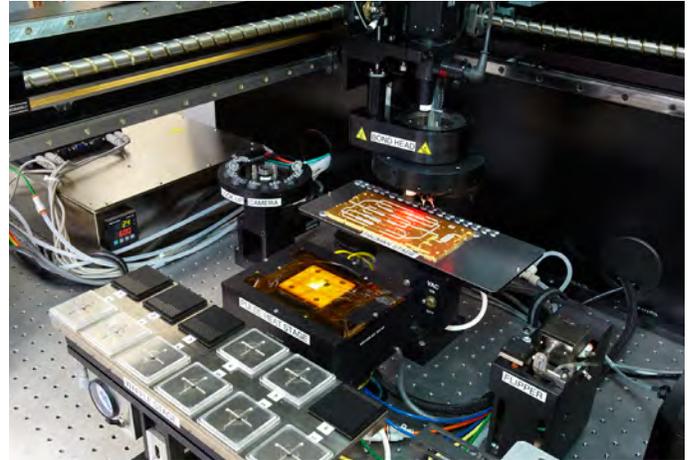
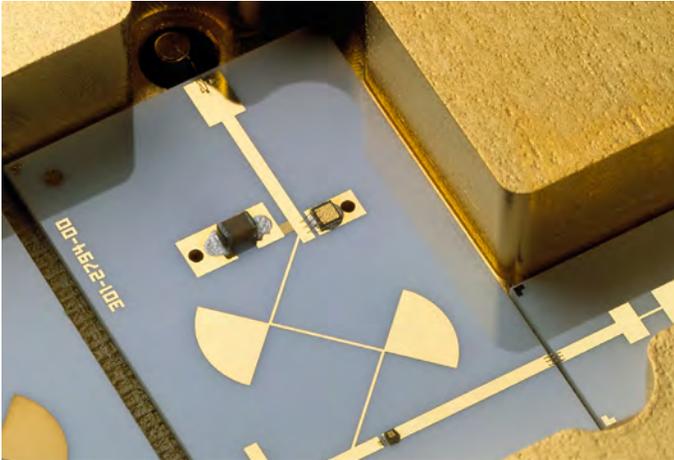


# RF & Microwave Services

Delivering Turnkey Services to Ensure Performance, Reliability and Quality in RF and Microwave Components



Tektronix Component Solutions offers turnkey services for custom RF modules and integrated microwave assemblies, as well as off-the-shelf and customizable components. Leveraging a strong background in RF and microwave module design, assembly and test for Tektronix instrumentation, Tektronix Component Solutions has the experience and capabilities to ensure the performance of your RF and microwave devices.

## Design

Tektronix Component Solutions provides circuit and mechanical design services and simulation capabilities to optimize the performance and signal integrity of custom RF and microwave components. Circuit design services cover the gamut of launch and connector modeling, design and characterization, and substrate layout. Mechanical design capabilities include housing and assembly layout with special attention to thermal, assembly process and materials requirements.

## Assembly

From interconnect challenges to tight component and substrate placement to precision mechanical assembly, Tektronix Component Solutions has the experience and

capabilities to meet most custom RF and microwave assembly requirements. All manufacturing is performed in the United States on our 32,000 square-foot, Class 10K clean room. Organized into 18 lean cells, this production line can support a wide variety of RF and microwave component builds.

## Test

As an integral part of a world leader in measurement equipment, Tektronix Component Solutions maintains a solid foundation of test expertise and capabilities, including full RF and microwave performance testing at the module and sub-assembly levels. From final test and traceability to environmental testing and qualification, Tektronix Component Solutions can evaluate and validate the performance of all RF and microwave components for our customers.

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### Off-the-Shelf/Customizable Modules

In addition to turnkey RF and microwave services, Tektronix Component Solutions offers “off-the-shelf” RF and microwave modules that can be customized to your particular requirements.

#### TSFB-900A Switched Filter Bank

- Tunable frequency range: 8.0 – 22.0 GHz
- Nine bands with 1.5 – 2.0 GHz bandwidth
- $\geq 80$  dBc rejection to 50 GHz

#### TDRO-900A Dielectric Resonator Oscillator

- $\pm 2.5$  MHz of electrical tuning range around 9 GHz center frequency
- Low SSB phase noise: -114 dBc/Hz @ 10 kHz Offset
- High output power: +10 dBm

### Certifications & Compliance

- ISO9001:2008
- ISO14001:2004
- ITAR-registered
- Category 1A Trusted Supplier
- RoHS-compliance capable



TSFB-900A—Shown with Interface Board and Cover



TDRO-900A—Shown in bench configuration, with Optional Base and SMA Connector

Contact our experienced team to discuss your application and RF component needs:

800-462-9835 | [components@tektronix.com](mailto:components@tektronix.com)

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