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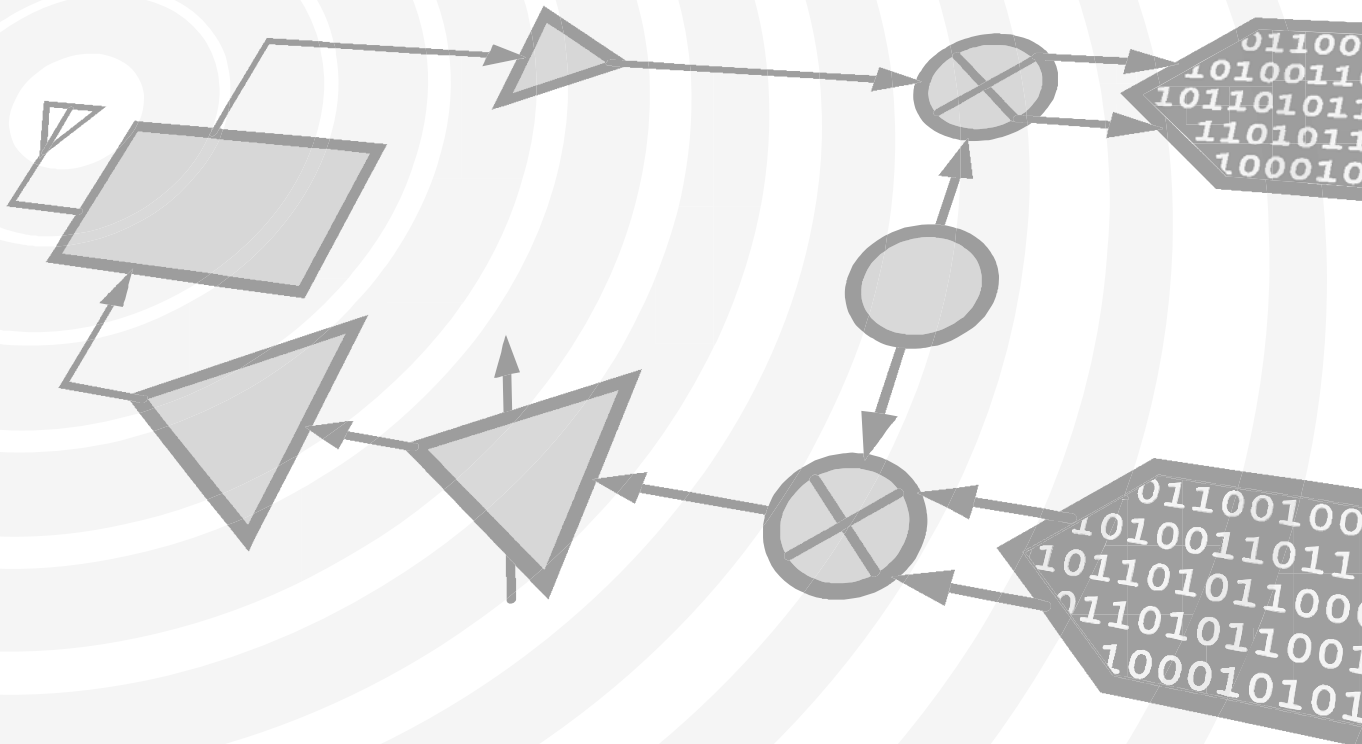
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# Analog Devices Welcomes Hittite Microwave Corporation

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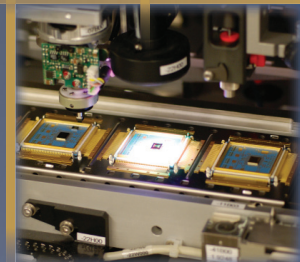
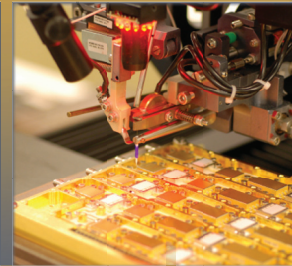
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**Standard & Custom Products, DC to 110 GHz!**

Analog, Digital & Mixed-Signal ICs, Modules, Subsystems & Instrumentation

## **Facilities, Manufacturing & Test**

- ◆ ISO 9001:2008 & AS9100:2009
- ◆ Class 100 Environment for S-Level Products
- ◆ Automatic Hybrid Assembly Equipment:  
Die Inspect/Pick, Die/Substrate Attach & Wire Bond
- ◆ IR Reflow Equipment for PCB Based Assemblies
- ◆ Automated Digital Product Test to 40 Gbps
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SEM Inspection  
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- ◆ Constant Acceleration
- ◆ High Temp Burn-In
- ◆ Visual Inspection
- ◆ Vibration
- ◆ Fine & Gross Hermeticity
- ◆ Radiographic Inspection
- ◆ Particle Impact Noise Detection
- ◆ Residual Gas Analysis
- ◆ ESD Characterization
- ◆ Serialized Test Data
- ◆ Qualification Report

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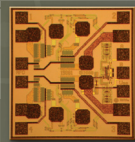
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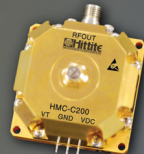
# MILITARY PRODUCTS

*Military Qualified Components, Modules & Subsystems!*

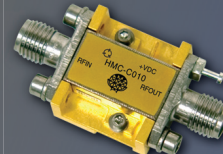
Analog, Digital & Mixed-Signal ICs, Modules, Subsystems & Instrumentation



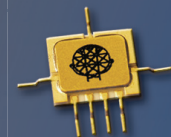
Chip (Die)



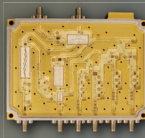
Dielectric Resonator Oscillator



Hermetic Modules



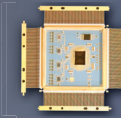
Hermetic SMT Package



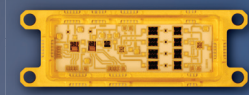
Clock Generator



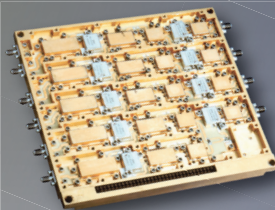
Integrated Sub-Assembly



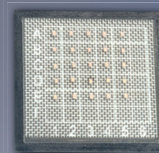
FPGA



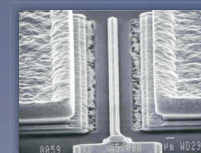
Switched Filter Bank



Multi-Channel Downconverter



Serialized Die in GEL-PAK



FET Channel SEM

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- ◆ *IC Manufacturing Infrastructure Provides Benefits in Controlling Performance, Quality, Schedule, Obsolescence, Packaging & Design Optimization*
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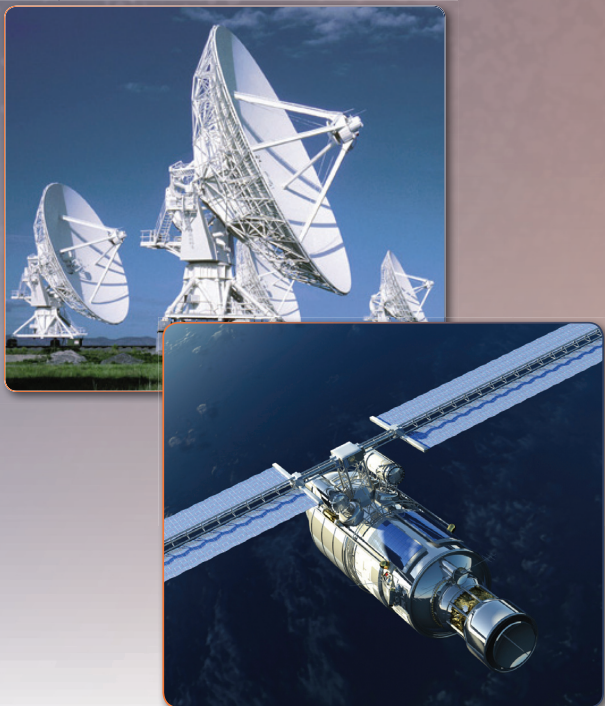
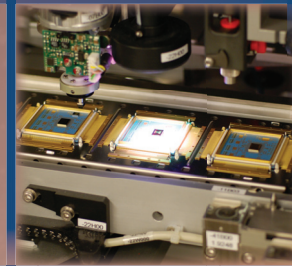
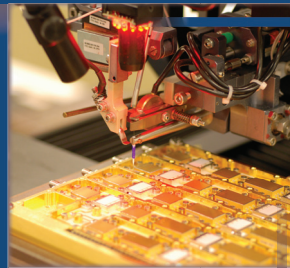
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## **Facilities, Manufacturing & Test**

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- ◆ IR Reflow Equipment for PCB Based  
Assemblies
- ◆ Automated Digital Product Test to 40 Gbps
- ◆ Automated RF, Microwave &  
Millimeterwave Product Test to 110 GHz



## **Class S Screening & Qualification**

- ◆ VI to Methods 2010A & 2017K
- ◆ Temperature Cycle
- ◆ High Temperature Burn-In & Life Test
- ◆ Wafer Lot Acceptance Test  
Bond Pull & Die Shear  
SEM Inspection  
Metal & Dielectric Thickness Meas.
- ◆ Serialized Test Data
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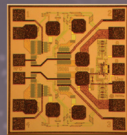
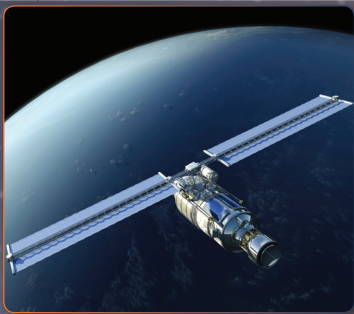
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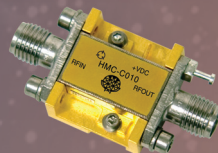
# SPACE PRODUCTS

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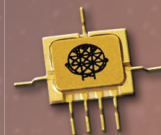
Analog, Digital & Mixed-Signal ICs, Modules, Subsystems & Instrumentation



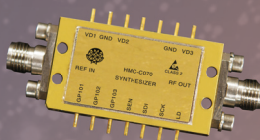
Chip (Die)



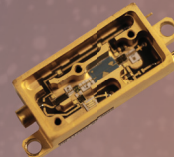
Hermetic Modules



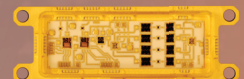
Hermetic SMT Package



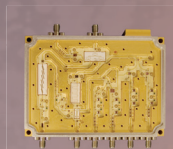
Hermetic MicroSynth™



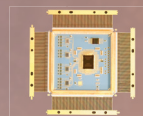
Downconverter



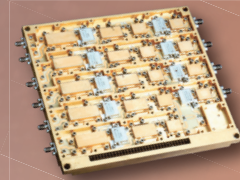
Switched Filter Bank



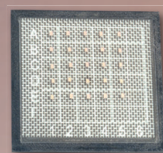
Clock Generator



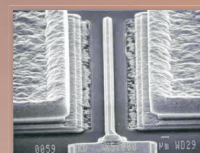
FPGA



Multi-Channel Downconverter



Serialized Die in GEL-PAK



FET Channel SEM

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