

Analog Devices Welcomes Hittite Microwave Corporation

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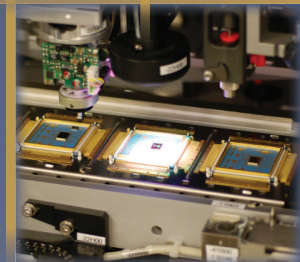
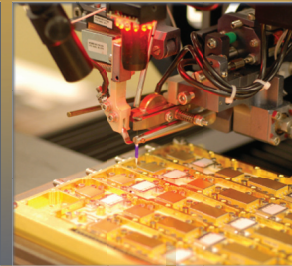
MILITARY MANUFACTURING

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
- ◆ Automated RF, Microwave & Millimeterwave Product Test to 110 GHz



High Reliability Screening & Tests

- ◆ Wafer Lot Acceptance Test (WLAT)
Bond Pull & Die Shear
SEM Inspection
Metal & Dielectric Thickness Meas.
- ◆ Temperature Cycle
- ◆ 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

Hittite Delivers Qualified Solutions to Meet Your Specific Requirements!



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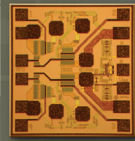
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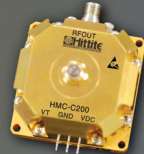
MILITARY PRODUCTS

Military Qualified Components, Modules & Subsystems!

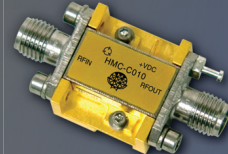
Analog, Digital & Mixed-Signal ICs, Modules, Subsystems & Instrumentation



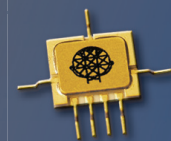
Chip (Die)



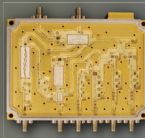
Dielectric Resonator Oscillator



Hermetic Modules



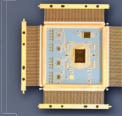
Hermetic SMT Package



Clock Generator



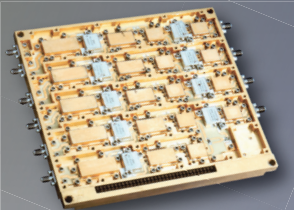
Integrated Sub-Assembly



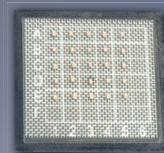
FPGA



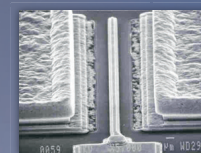
Switched Filter Bank



Multi-Channel Downconverter



Serialized Die in GEL-PAK



FET Channel SEM

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- ◆ *Vertical Integration with In-House MMIC & Module Design and Manufacturing*
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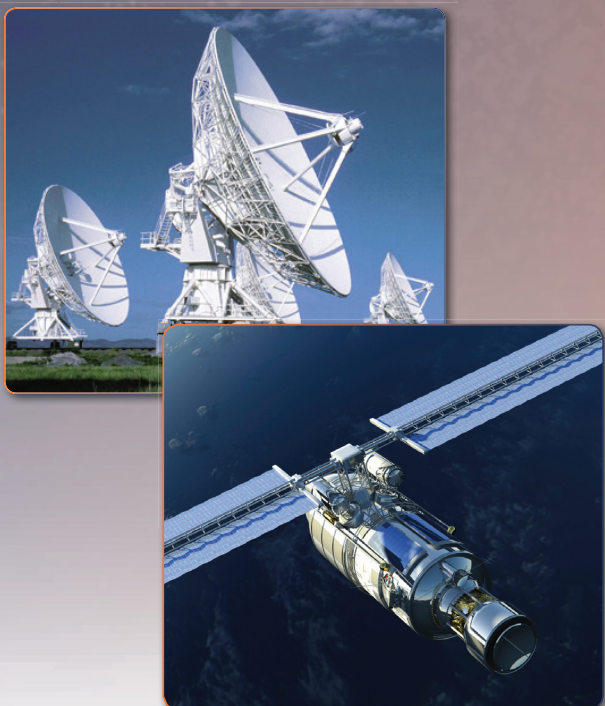
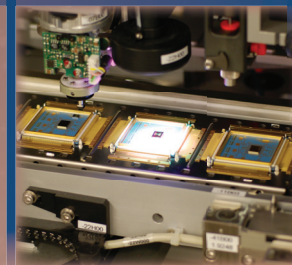
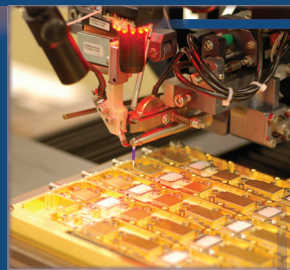
SPACE MANUFACTURING

Space Qualified Processes, People & Facilities!

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

Facilities, Manufacturing & Test

- ◆ ISO 9001:2008 & AS9100:2009
- ◆ Class 100 Environment for S-Level Products
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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
- ◆ Qualification Report

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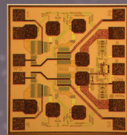
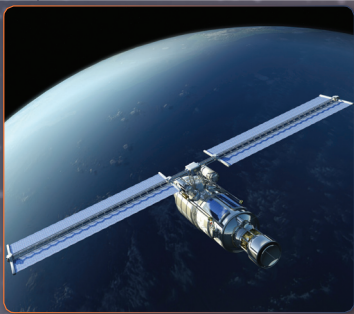
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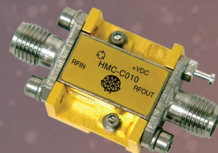
SPACE PRODUCTS

Space Qualified Components, Modules & Subsystems!

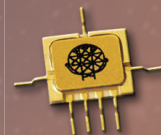
Analog, Digital & Mixed-Signal ICs, Modules, Subsystems & Instrumentation



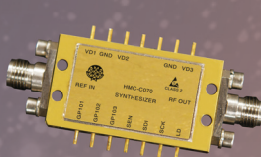
Chip (Die)



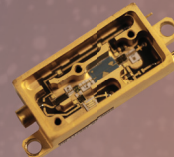
Hermetic Modules



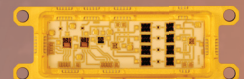
Hermetic SMT Package



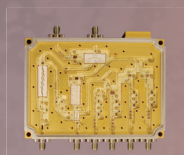
Hermetic MicroSynth™



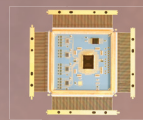
Downconverter



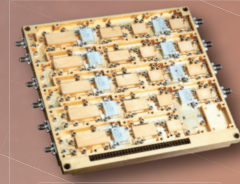
Switched Filter Bank



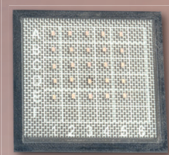
Clock Generator



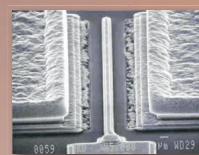
FPGA



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Serialized Die in GEL-PAK



FET Channel SEM

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