



UNITED ELECTRONICS COMPANY



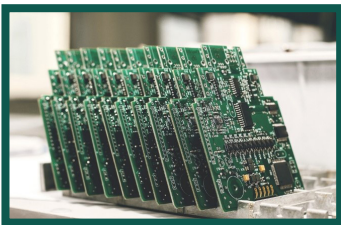
Powering the Mission. Amplifying Performance. Sustaining Critical Systems.

UEC delivers mission-critical power generation, storage, and distribution solutions, advanced RF amplification, and life-cycle sustainment services that extend system performance and reliability.



UEC Advanced Electronics delivers high-performance power generation, storage, distribution, and complex harness/cable assembly solutions through integrated design and manufacturing.

Charleston, SC | 62,000 ft² Facility



UEC Advanced Circuit Technologies (ACT) is a high-mix, low- to medium volume contract manufacturer specializing in complex PCB assemblies, microelectronics (hybrids), and system integration.

Rochester, NY | 35,000 ft²



UEC Signal Technologies provides design, engineering, manufacturing, and life-cycle sustainment for high-performance RF power systems, analog electronics, and complex electronic assemblies.

Fair Lawn, NJ | 30,000 ft²



UEC RF Microwave specializes in Integrated Microwave Assemblies (IMAs), RF amplifiers, power amplifiers, and frequency converters for defense, space, and commercial applications.

Reno, NV | 8,000 ft²
Sacramento, CA | 16,000 ft²



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UE SIGNAL TECHNOLOGIES



Non-Standard RF Microwave & Analog Product Development

Surface Mount Solutions
RF Power Amplifiers 100MHz - 18GHz.
GaN, GaAs, LDMOS, MMIC
Custom LNAs 500MHz - 20GHz
Broadband Amplifiers
100MHz-20GHz
Custom Frequency
Synthesizers 400MHz-10GHz
Up/Down converters
70MHz-18GHz

Product Life-Cycle Support Services

Manufacturing, reverse engineering, & component level repair service.

Engineering, Manufacturing, Design, & Redesign Services Form Fit Function

Assemblies dealing with obsolescence mitigation
Power Supplies, RF Microwave & Analog product,
Integrated sub-assemblies.

UE ADVANCED ELECTRONICS



Engineering Design & Product Realization Services

Power management
Power conversion AC/DC, AC/AC, bi & uni-directional
Energy storage

Military Batteries, Vehicles & Tactical Devices

Gen 3 6T Li-ion Batteries

12V, 24V, batteries (manned & autonomous vehicles)
450-1000V combat-ready storage
Rugged 6T battery charging and conditioning.
Military-ready handheld 6T battery diagnostics

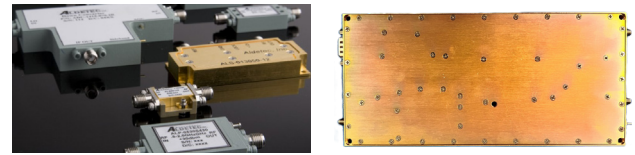
Contract Manufacturing Services

Complex cable and wire harness assemblies

Complex electromechanical assemblies

AS9100D & ISO9001:2015

UE RF MICROWAVE



RF Components & Microwave Solutions. 15 Years' Space Heritage

Amplifiers, Frequency Converters
MIL-PRF-38534

Product Offerings

Amplifiers, Power Detector Log Video, Low Noise, Broadband,
Block Converters, Integrated Microwave Assemblies, Antenna
Systems TWT Driver Amps Log Video

Frequency Range Broadband:

17 Hz to 6GHz, power up to 1000 watts

Frequency Range Adletec: DC to 50GHz, power up to 100 watts

Design & Analysis Manufacturing

Rapid prototyping
Environmental testing XRay
AOI

Hybrid Assemblies Screening Test & Alignment

UE ADVANCED CIRCUIT TECHNOLOGIES



Contract Manufacturing Services

SMT, circuit card assemblies
Box, module, systems integration

Test Solutions

Environmental test
Functional test
Flying probe

Microelectronics

10k clean room
Thick-film hybrid

Manufacturing & Testing

Engineering & Manufacturing Solutions

Conformal Coating

Parylene
Acrylic
Urethane
Silicone

AS9100D & ISO 9001:2015

Delivering Power, RF, and Electronic Systems That Enable, Protect, and Sustain the Mission.