Global Manufacturing Services

- Global footprint, local fingerprint
- Highly engineered end-to-end solutions
- Low volume, high mix
- Nadcap accredited manufacturing facilities

Aerospace Heat Treatment

- AMS2750 calibrated thermocouples
- On site calibration - UKAS accredited
- 'Safe Contractor' status

Engine Control/Valves/System

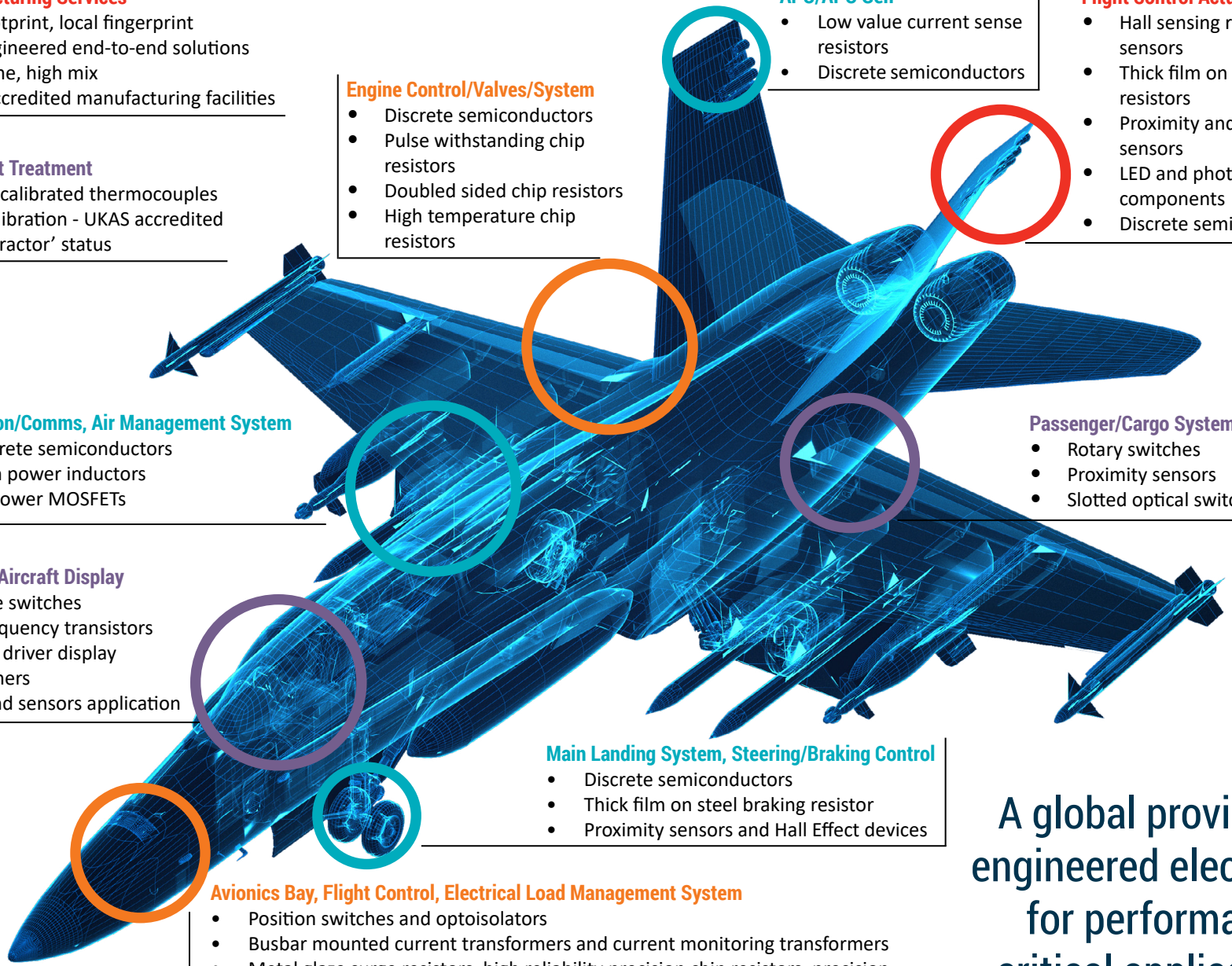
- Discrete semiconductors
- Pulse withstanding chip resistors
- Doubled sided chip resistors
- High temperature chip resistors

APU/APU Gen

- Low value current sense resistors
- Discrete semiconductors

Flight Control Actuation

- Hall sensing rotary position sensors
- Thick film on steel braking resistors
- Proximity and position sensors
- LED and phototransistor components
- Discrete semiconductors



Navigation/Comms, Air Management System

- Discrete semiconductors
- High power inductors
- RF Power MOSFETs

Passenger/Cargo Systems

- Rotary switches
- Proximity sensors
- Slotted optical switches

Flight Deck & Aircraft Display

- Reflective switches
- Radio frequency transistors
- Backlight driver display transformers
- Switch and sensors application

Main Landing System, Steering/Braking Control

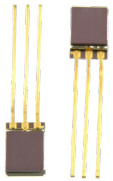
- Discrete semiconductors
- Thick film on steel braking resistor
- Proximity sensors and Hall Effect devices

Avionics Bay, Flight Control, Electrical Load Management System

- Position switches and optoisolators
- Busbar mounted current transformers and current monitoring transformers
- Metal glaze surge resistors, high reliability precision chip resistors, precision tantalum nitride film resistor networks
- Discrete semiconductors

A global provider of engineered electronics for performance critical applications

Product Line Card - Components for Critical Aerospace Electronic Systems



Hall-Effect Devices

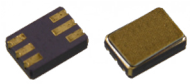
- Reliable performance up to S level
- Extended service life
- Plastic and ceramic packages available
- Hall-effect magnetic sensing (unipolar, bipolar, and ratiometric outputs)
- Excellent temperature stability
- MIL-STD-883, 100% processing and QCI

Thick Film on Steel Resistors

- Ultra low-profile power resistor with solder pads, flying leads, or push-on connectors
- UL508 approved version
- Low inductance figure, typically 3-6mH
- Simple construction, lower installation cost
- 0.5, 1.5, 2, 3.5, 5, and 7kW versions

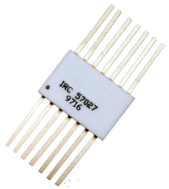
High Power Inductors

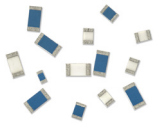
- Designed for severe duty applications per MIL-STD-202 standards
- Wide range of inductances and package sizes
- High current applications to 120A
- High temperatures applications to 220˚C
- Magnetic shielding option
- Corrosion resistant



High Reliability JAN Isolators

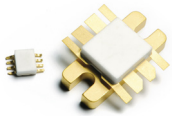
- Choice of hermetically sealed TO-78 or surface mountable SMD/LCC package
- High current transfer ratio
- 1 kV electrical isolation
- Processed to MIL-PRF-19500
- Comprehensive in-house group testing
- 100% parametric test capabilities





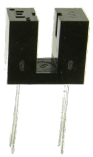
Precision Resistors

- Tantalum nitride (TaNFilm®) technology for excellent performance far superior to military requirements
- High degree of reliability and stability with low noise
- Laser trimmed for tight tolerance and TCR tracking
- Custom schematics available
- Key component in engine controls



RF Power MOSFETs

- 100+ device options in portfolio
- Ultra wide band: 1MHz-1GHz
- Wide power range: 750mW-400W
- Exceptionally low feedback capacitance
- High gain via reduced Miller Effect
- Low Rds(on) for high efficiency
- High breakdown voltage for exceptional ruggedness
- Excellent thermal stability



Position and Proximity Switches

- Reflective and interruptor optical sensor and potentiometer designs
- Custom designs at OEM volumes
- Shorter lead times than other off-the-shelf solutions
- Long life cycle
- Light weight
- Various package sizes and materials, including hermetic
- Superior sealing capabilities

Transformers

- Standard and custom designs
- Isolation voltages to 4200Vac
- Power levels to 3kW
- Reinforced isolation available
- Robust performance characteristics
- Harsh environment capability
- High power density
- Low power losses
- Cost-effective solution

Discrete Semiconductors

- Wide range of modern and traditional packages
- Screening to highest international standards
- Support long service life
- Designed into multiple mission critical applications for some of the most globally recognized military aircraft