

# Graphite Die Cast Aluminum Chassis For Field Deployed Communications Hardware



End product is a Power Amplifier unit for a vehicle mounted, field deployed military radio.

- Chassis designed and engineered to be sand, graphite or die cast. Dimensional, RF segregation, weight and thermal properties are all critical.
- We produced a small quantity of sand cast and machined parts as prototypes.
- The parts later migrated to Graphite casting, reducing the part cost and meeting the customer's requirement.

## Materials

- 380 Alloy (standard die cast alloy) cast in Graphite Tooling which was critical to maintain the customer's requirements.
- Castings are impregnated and painted to meet all environmental requirements.

## Tooling

- Graphite tooling offers customer die cast quality parts and production volumes at a fraction of the cost of conventional steel die cast tools.

**Lupton Associates** offers the proven ability to provide integrated solutions that meet the demands of design, time to market and product cost objectives.

The solutions we provide include:

- Prototyping
- Stamping
- Metal Fabrication
- Machined Components
- Polymeric Molding
- Electronic Manufacturing Services
- Casting



For more information, please visit [www.luptons.com](http://www.luptons.com).

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