

Battery Feedthroughs

Fusite manufactures battery seals designed for extreme temperature environments and long-endurance applications. Fusite's glass-to-metal seals can also withstand the harshest corrosives.

Fusite employs specialized high-volume manufacturing processes and techniques, such as proprietary corrosion-resistant glasses, vision inspection, and vibratory assembly machinery. This provides the best overall value and highest reliability whether the requirement is for a small quantity of prototypes or millions of units.

Applications

Fusite high reliability battery seals and lids are used worldwide in aerospace power and automotive mixed-use applications, as well as military hand-held radio communications, surveillance systems, and battery back-up systems.

Customization

Fusite engineers are experts at creating custom designs to meet engineering specifications, often turning prototype drawings around in less than 24 hours. With broad and deep experience, each Fusite custom design has the highest degree of performance reliability available today.

Typical Specifications

- Hermeticity: Better than 1×10^{-8} cc/sec helium
- Battery seals and lids are produced with components compatible with, lithium thionyl chloride, lithium sulphur dioxide, and lithium manganese dioxide
- Standard sizes include 1/2AA through D
- Models can be either resistance or laser-welded onto a battery lid
- For any application requiring hermetic battery seals, lids, terminals, or batteries requiring lithium or silver-zinc hermetic seals
- Ability to combine pure metals, such as molybdenum used in feedthrough pins and stainless or cold-rolled steel used in battery bodies, with corrosion-resistant glass (e.g. TA-23) in battery seals and lids for the utmost in reliability, performance, and durability

