

LLZN

More Reliable Compact All-Solid-State Lithium Secondary Battery

Feature

- ✓ Solid electrolyte with the highest lithium ion conductivity
- ✓ Promising to develop a compact all-solid-state lithium secondary battery



Advantages

- ✓ Solid
Unlike conventional electrolyte, LLZN is free from liquid leakage.
- ✓ Oxide
Unlike sulfide electrolyte, LLZN does not generate toxic H₂S gas with water.
- ✓ Single Crystal
Unlike sintered powders, LLZN has no grain boundary on which Li metal electrodeposited, and it causes a short circuit.

Specification

Item	Specification
Material	$\text{Li}_{6.5} \text{La}_3 \text{Zr}_{1.5} \text{Nb}_{0.5} \text{O}_{12}$
Diameter	5 mm ~ 7 mm ϕ
Rod length	Up to 50 mm
Thickness	1.0 mm, 0.5 mm (as standard)
Surface finished	As Sliced (as standard)

OXIDE



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