

# CRYSTAL OSCILLATORS

## Components

SURON provides a comprehensive range of custom made solutions for Crystal Oscillators, including Standard Flat Lids, Getter Lids and Heat Treatment Components.



2024



**SURON**  
Precision Solutions

# CRYSTAL OSCILLATORS Components

At SURON, our fusion of expert personnel and an extensive array of cutting-edge manufacturing processes and tools guarantees micro-precision in every custom-manufactured, metal component for crystal oscillators. Whether you're envisioning a prototype, a small-scale engineering trial run, or a large-scale mass production order, we possess the flexibility and expertise needed to transform your vision into reality.

## Standard Lids

- Material: Kovar or other Alloys
- Plating: In-house Nickel and Gold
- Thickness : range from 0.1 - 1.5 mm
- Standard lead time: 2-3 weeks

## Heat Dissipation Components

With increasing power and speed demands, one of the most significant challenges is dissipating heat. SURON's solutions ensure optimal performance by utilizing materials such as MoCu, WCu and other ceramics with similar CTE properties to microelectronic chips.

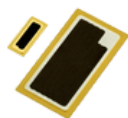
## Getter Lids

Suron's Getter Lids consist of a metal lid, coated with a getter layer engineered for high capacity absorption.

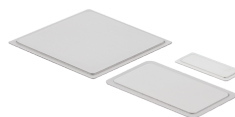
- Sorption of one or more of the following: H<sub>2</sub>, H<sub>2</sub>O, O<sub>2</sub>, CO<sub>2</sub> and VOC's.
- Irreversible and Reversible getter types
- Available by sheet/cured paste



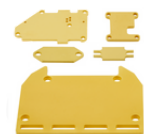
Thermal Lid  
Combination of  
WCu/MoCu with Kovar  
Frame



Getter Lid



Standard Lid



Heat Dissipation  
Solutions

