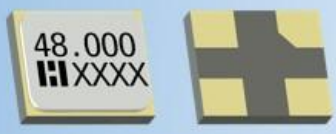
Hosonic

# SMD AuSn Sealing Crystals

## EUAB Series 1.2×1.0×0.30mm




### Features

- Miniature SMD package
- Excellent electrical performance such as frequency and resistance
- Excellent environmental reliability

### Applications

- Wireless communication device
- SIP module
- Wearable product

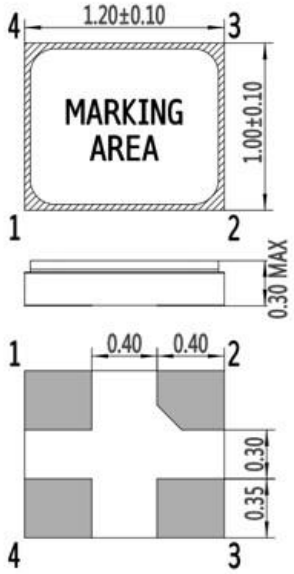
## Electrical Specifications

| Item | Symbol | Condition | EUAB |
|---|---|---|---|
| Frequency Range | $f_{nom}$ | - | 26 ~ 96MHz |
| Mode of Vibration | - | - | Fundamental |
| Load Capacitance | CL | - | 6 ~ 16pF. or specify |
| Frequency Tolerance (at 25℃) | $f_{tol}$ | - | ±10ppm. or specify |
| Equivalent Series Resistance | ESR | 26.0 ~ 27.0MHz | 150Ω max. |
| | | 27.1 ~ 29.9MHz | 100Ω max. |
| | | 30.0 ~ 39.9MHz | 80Ω max. |
| | | 40.0 ~ 74.9MHz | 60Ω max. |
| | | 75.0 ~ 96.0MHz | 30Ω max. |
| Temperature Stability | $f_{temp}$ | Refer to 25℃ | ±10ppm. or specify |
| Operating Temperature Range | $T_{opr}$ | - | -30 ~ +85℃. or specify |
| Storage Temperature Range | $T_{stg}$ | - | -40 ~ +85℃ |
| Shunt Capacitance | $C_0$ | - | 2pF max. |
| Insulator Resistance (at DC 100V) | IR | - | 500MΩ min. |
| Drive Level | DL | - | 1 ~ 100μW (50μW typ.) |
| Aging (at 25℃) | Fa | - | ±3ppm / year max. |

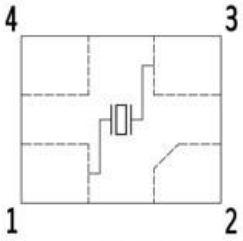
**Please contact us for inquiries regarding other Specifications.

## Mechanical Dimensions

Unit: (mm)



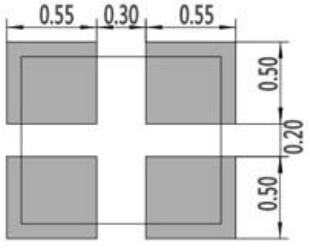

Pin Connection
(Top View)




| Pin | Function |
|---|---|
| 1. 3 | Crystal |
| 2. 4 | GND |

Note: #4 is connected to Lid.

Recommended PAD Layout




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