

# SMD Seam Sealing Crystals 3.2 x 2.5 x 0.7 mm AM Series

## Features

- Reliable seam sealed ceramic package.
- Wide operating temperature range.
- Superior performance and stringent reliability in harsh environment.
- Application: TPMS, ECM, ABS and sensor modules.
- Compact size.
- RoHS Compliant / Pb Free.



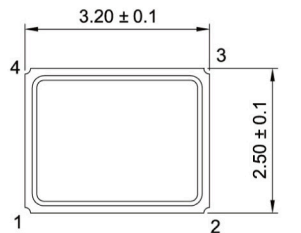
## Electrical Specifications

| Item / Type                    | AM                              |
|--------------------------------|---------------------------------|
| Frequency Range                | 10 ~ 48 MHz                     |
| Overtone                       | Fundamental                     |
| Frequency Tolerance (at 25 °C) | ± 30 ppm                        |
| Frequency Stability            | ± 50 ppm Max. (- 40 ~ + 85 °C)  |
| Operating Temperature Range    | - 40 ~ +125 °C                  |
| Drive Level                    | 10 μW (typical) ; 100 μW (Max.) |
| Load Capacitance               | 12 pF, or specify               |
| Storage Temperature Range      | - 40 ~ +125 °C                  |
| Reliability Standard           | AEC-Q200 VER.C                  |

## Equivalent Series Resistance(ESR)

| Fundamental |            |
|-------------|------------|
| 10 ~ 12 MHz | 180 Ω Max. |
| 12 ~ 20 MHz | 100 Ω Max. |
| 20 ~ 30 MHz | 80 Ω Max.  |
| 30 ~ 48 MHz | 60 Ω Max.  |

## Dimensions



Top View



Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout

Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.