

# SMD Seam Sealed Crystals

Quartz Crystal

## Features:

- Size 3.2×2.5 mm, Ultra thin , thickness 0.7mm
- High precision and high frequency stability
- Excellent heat resistance and environmental characteristics
- Designed for automatic mounting and reflow soldering
- RoHS Compliant /Pb Free



## Specifications:

| Parameter Name                             | Value                    |
|--|--------------------------|
| PAD  | 4                        |
| Frequency                                  | 13.988MHz                |
| Mode of Oscillation                        | AT Fundamental           |
| Load Capacitance(CL)                       | 17pF                     |
| Frequency Tolerance(at 25°C)               | ±35ppm                   |
| Operating Temperature Range                | -20~+70°C                |
| Frequency Stability Over Temperature Range | ±40ppm                   |
| Equivalent Series Resistance(ESR) max.     | 80Ω                      |
| Special Requirement                        | No Special Requirement   |
| Storage Temperature Range                  | -55~+125°C               |
| Shunt Capacitance(C0)                      | 3pF Max                  |
| Drive Level (Typical)                      | 1~ 100 μW (50μW typical) |
| Aging @25°C 1st Year (Max)                 | ±3 ppm/year              |

## Dimensions:

