# SMD Seam Crystal Units 5.0x3.2x1.2mm Series

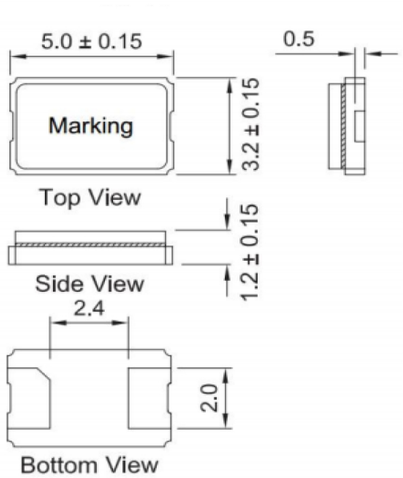
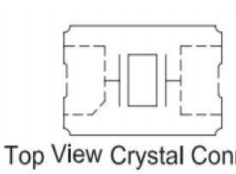
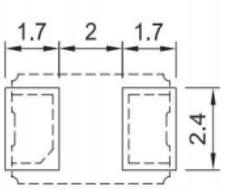
## Features

. Extremely small SMD type crystal units.
. Application for smart phone, sip module ,variety of compact portable consumer products reference clocks.
. High reliable environmental performance

## Electrical Specifications

| Item / Type | |
|---|---|
| Frequency Range 频率范围 | 8.00 ~ 54.00MHz |
| Frequency Tolerance (at 25 ℃) 调频偏差 | ± 10 ppm ± 20 ppm, or specify |
| Frequency Stability 频率温度特性 | ± 10 ppm ± 20 ppm, or specify |
| Operating Temperature Range 工作温度 | -20 ~ +70℃ -40 ~ +85 ℃, or specify |
| Shunt Capacitance (C0) 静态电容 | 5 pF Max. |
| Drive Level 激励功率 | 10 μW~200μW ( Max 100 μW ) |
| Load Capacitance 负载电容 | 10pF 12pF 20pF, or specify |
| Aging (at 25 ℃) 年老化率 | ± 3 ppm year Max. |
| Storage Temperature Range 存储温度 | - 5 5 ~ + 125 ℃ |

## Equivalent Series Resistance(ESR)

| Fundamental | | | |
|---|---|---|---|
| 8~12 MHz | 60 ~80Ω Max. | 13~25 MHz | 40~60 Ω Max. |
| 26~54 MHz | 30~40 Ω Max. | | |

## Dimensions