

# 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 °c) 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 °c, 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 °c) 老化率                | ± 3 ppm year Max.                   |
| Storage Temperature Range 存储温度      | - 5 5 ~ + 125 °c                    |

## 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

