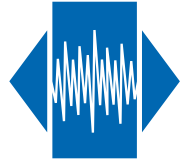


SMX-1C-A SMX-1C-B SMX-1C-C

Full ceramic SMD Crystal

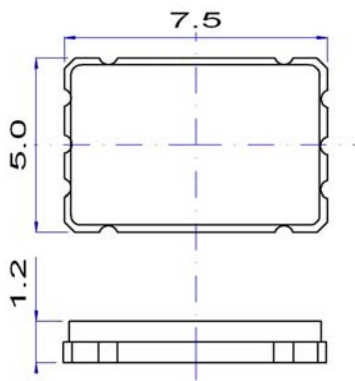
QuartzCom
the communications company



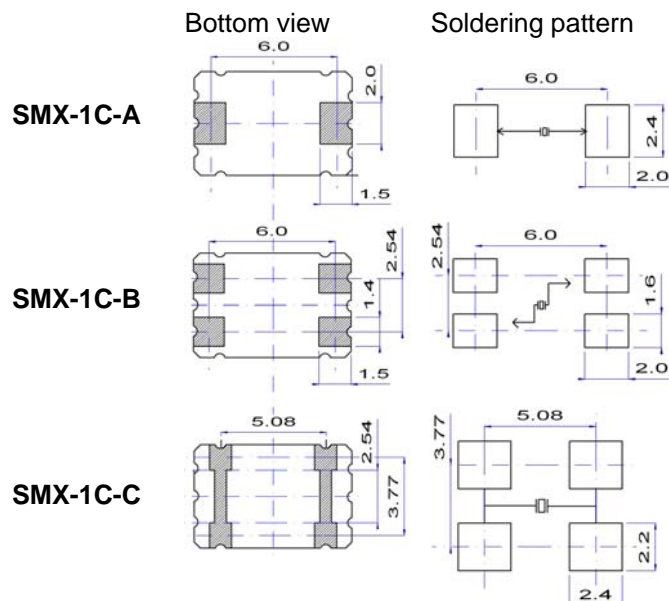
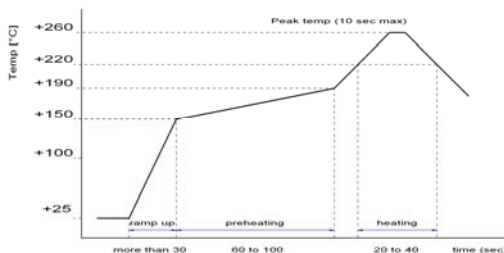
Features

- Applications: telecommunications, audio, automotive, instruments
- Small package size
- Reliable, low cost crystal
- Reflow soldering @ 260 °C

| Parameter | Specification | |
|------------------------------------|---|--|
| Frequency range | 6 ~ 50 MHz 40 ~ 84 MHz | fundamental 3 rd overtone |
| Mode of oscillation | AT-cut | |
| Standard frequencies | 6.00, 8.00, 10.00, 12.00, 20.00, 32.00 & 121.4000 MHz | |
| Frequency tolerance | ±25 ~ ±50 ppm | @ +25 °C |
| Frequency stability | ±10 ~ ±50 ppm | vs. operating temperature range |
| Aging | ±2 ppm | 1 st year |
| Load capacitance | series or parallel resonance (CL = 8 ~ 32 pF) | |
| Equivalent series resistance (ESR) | < 25 Ω < 15 Ω | @ 8 MHz @ 32 MHz |
| Drive level | 10 ~ 100 μW | |
| Operating temperature range | -20 ~ +70 °C -40 ~ +85 °C -40 ~ +125 °C | commercial application industrial application automotive application |
| Storage temperature range | -55 ~ +125 °C | |
| Packaging unit | tape & reel | 1'000 pieces |
| Customer specifications on request | | |



Example for IR reflow soldering temperature



Do not design any conductive path between the pattern