



### ■ Features

- > 1612 size miniature SMD crystal resonator with a low profile of 0.5mm.
- > Excellent heat resistance, high precision and high reliability.
- > Offers a wide frequency range from a comparatively low 24MHz up to 60MHz.



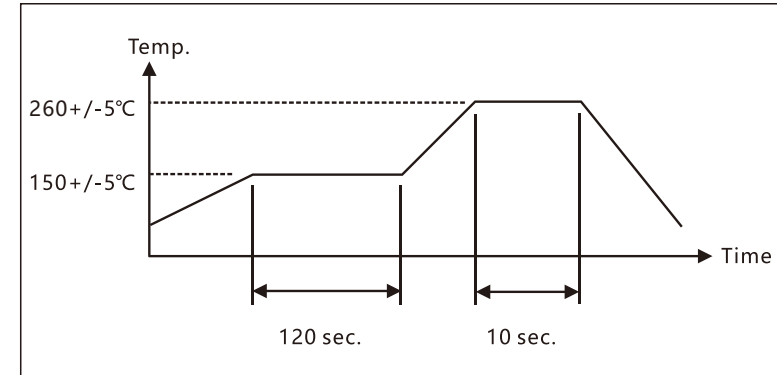
### ■ Electrical Specifications

| Item / Type  | SMD 1612   |
|--|--|
| Frequency Range                                      | 24 ~ 60 MHz                                      |
| Frequency Tolerance (at 25°C)                        | ± 10 ppm, or specify                             |
| Frequency Stability Over Operating Temperature Range | ± 20 ppm, or specify                             |
| Operating Temperature Range                          | -20 ~ +70 °C, -40 ~ +85 °C, or specify           |
| Shunt Capacitance (C0)                               | 2 pF Max.  |
| Drive Level  | 100 μW Max.                                      |
| Load Capacitance                                     | 8 pF, 10 pF, 12 pF, or specify                   |
| Aging (at 25°C)                                      | ±1ppm/year Max   ±2ppm/year Max   ±3ppm/year Max |
| Storage Temperature Range                            | -50~+150 °C                                      |

### ■ Equivalent Series Resistance (ESR)

| Fundamental |            |
|-------------|------------|
| 24 ~ 30 MHz | 100 Ω Max. |
| 30 ~ 60 MHz | 80 Ω Max.  |

### ■ Reflow Condition



### ■ Dimensions

