



## Features



Ultra small SMD type crystal units..

High precision characteristics covering up to wide frequency range.

Higher frequency stability and reliability.

Excellent for reducing EMI effect.

The best choice of Bluetooth, wireless communication set, DSC, PDA, mobile phone and USB interface card.

## Specifications

| Item / Type                                          | DGSMD 5.0*3.2mm                     |
|------------------------------------------------------|-------------------------------------|
| Frequency Range                                      | 8 ~ 100 MHz                         |
| Frequency Tolerance (at 25 °C)                       | ± 30 ppm, or specify                |
| Frequency Stability Over Operating Temperature Range | ± 30 ppm (-20 ~ +70 °C), or specify |
| Operating Temperature Range                          | - 40 ~ + 85 °C                      |
| Shunt Capacitance (C0)                               | 5 pF Max. (2 pF typical)            |
| Drive Level                                          | 1 ~ 100 μW (10 μW typical)          |
| Load Capacitance                                     | 18 pF, or specify                   |
| Aging (at 25 °C)                                     | ± 3 ppm / year Max.                 |
| Storage Temperature Range                            | - 55 ~ + 125 °C                     |

## Equivalent Series Resistance(ESR)

| Fundamental |            | 3rd Overtone |            |
|-------------|------------|--------------|------------|
| 8 ~ 12 MHz  | 100 Ω Max. | 40 ~ 60 MHz  | 120 Ω Max. |
| 12 ~ 48 MHz | 40 Ω Max.  | 60 ~ 100 MHz | 80 Ω Max.  |

## Dimensions

