

# SMD Seam Sealing Crystals

## 2.5 x 2.0 x 0.55 mm 8Z Series

### Features

- High precision and high frequency stability.
- Excellent heat resistance and environmental characteristics.
- Applications in PDA, DSC, DVC, and PC.
- RoHS Compliant / Pb Free.



### Electrical Specifications

| Item / Type  | 8Z                              |
|--|---------------------------------|
| Frequency Range                                      | 12 ~ 54 MHz                     |
| Frequency Tolerance (at 25 °C)                       | ± 10 ppm, ± 30 ppm, or specify  |
| Frequency Stability Over Operating Temperature Range | ± 10 ppm, ± 30 ppm, or specify  |
| Operating Temperature Range                          | -10 ~ +70 °C, or specify        |
| Shunt Capacitance (C0)                               | 3 pF Max.                       |
| Drive Level  | 1 ~ 100 μW Max. (10 μW typical) |
| Load Capacitance                                     | 8 pF, 10 pF, 12 pF, or specify  |
| Aging (at 25 °C)                                     | ± 3 ppm / year Max.             |
| Storage Temperature Range                            | - 40 ~ + 85 °C                  |

### Equivalent Series Resistance(ESR)

| Fundamental |            |
|-------------|------------|
| 12 ~ 13 MHz | 150 Ω Max. |
| 14 ~ 30 MHz | 100 Ω Max. |
| 30 ~ 54 MHz | 60 Ω Max.  |

### Dimensions



Units: mm