

# SMD Seam Sealing Crystals

## 2.0 x 1.6 x 0.5 mm 8Y Series

### Features

- Extremely small SMD type crystal units.
- High precision and high frequency stability.
- Excellent heat resistance and environmental characteristics.
- Applications in PDA, DSC, DVC, PC, etc.
- RoHS Compliant / Pb Free.



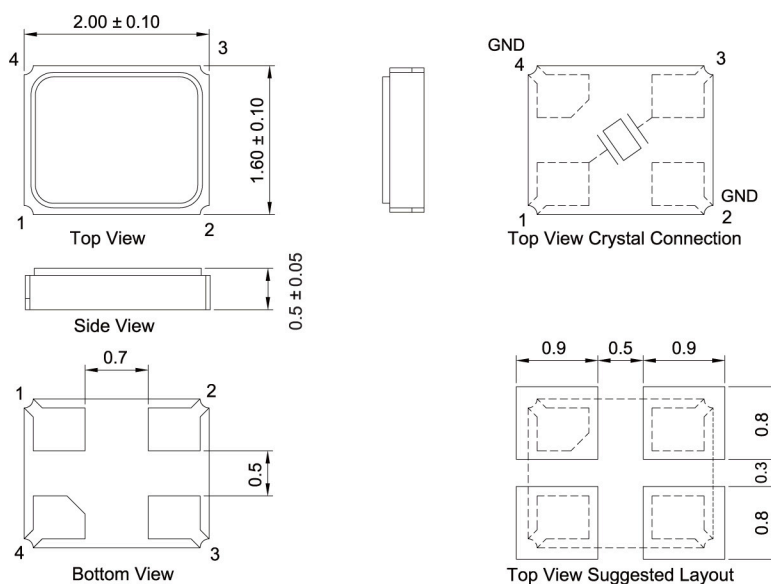
### Electrical Specifications

| Item / Type  | 8Y                             |
|--|--------------------------------|
| Frequency Range                                      | 16 ~ 54 MHz                    |
| Frequency Tolerance (at 25 °C)                       | ± 30 ppm, or specify           |
| Frequency Stability Over Operating Temperature Range | ± 30 ppm, or specify           |
| Operating Temperature Range                          | -20 ~ + 70 °C, or specify      |
| Shunt Capacitance (C0)                               | 3 pF Max.                      |
| Drive Level  | 1 ~ 200 μW ( 50 μW typical)    |
| Load Capacitance                                     | 8 pF, 12 pF, 18 pF, or specify |
| Aging (at 25 °C)                                     | ± 3 ppm / year Max.            |
| Storage Temperature Range                            | - 40 ~ + 85 °C                 |

### Equivalent Series Resistance(ESR)

| Fundamental   |            |
|---------------|------------|
| 16 ~ 19.2 MHz | 200 Ω Max. |
| 19.2 ~ 30 MHz | 100 Ω Max. |
| 30 ~ 54 MHz   | 80 Ω Max.  |

### Dimensions



Units: mm