

# 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.



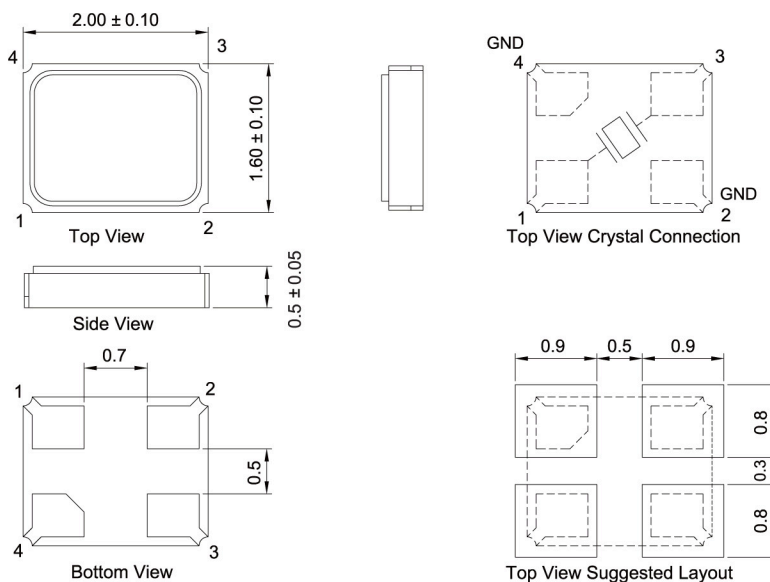
### Electrical Specifications

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