

# SMD Seam Sealing Crystals

## 2.0 x 1.6 x 0.5 mm AY Series

### Features

- Reliable seam sealed ceramic package.
- Wide operating temperature range.
- Superior performance and stringent reliability in harsh environment.
- Application: TPMS, ECM, ABS and sensor modules.
- Compact size.
- RoHS Compliant / Pb Free.



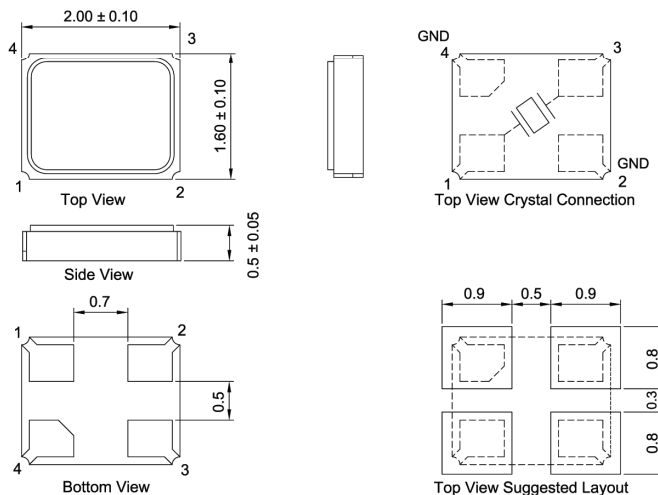
### Electrical Specifications

Item / Type	AY
Frequency Range	16 ~ 50 MHz
Frequency Tolerance (at 25 °C)	± 10 ppm, ± 20 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 10 ppm, ± 20 ppm, or specify
Operating Temperature Range	-40 ~ +125 °C
Shunt Capacitance (C0)	3 pF Max.
Drive Level	1 ~ 200 μW ( 50 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
Reliability Standard	AEC-Q200

### Equivalent Series Resistance(ESR)

Fundamental	
16 ~ 19.2 MHz	200 Ω Max.
19.2 ~ 30 MHz	100 Ω Max.
30 ~ 50 MHz	80 Ω Max.

### Dimensions



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.