

Thinner SMD High-Frequency Crystal Unit

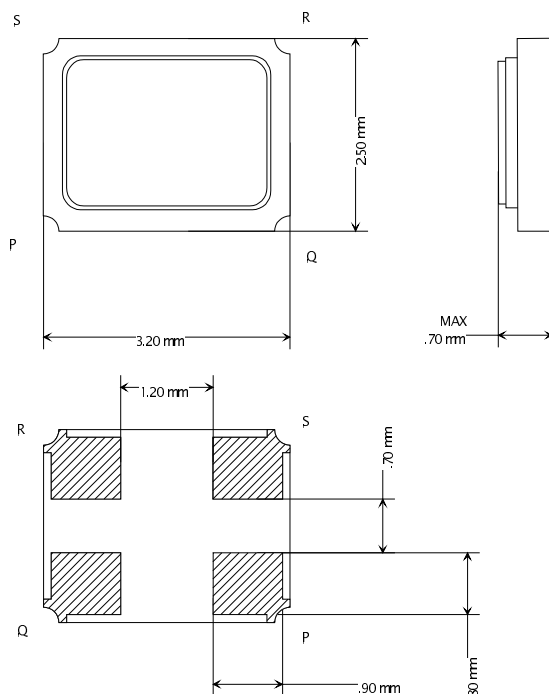
FA - 238

- 0.7mm Thin Ceramic Packaged Crystal Unit
- High-density mounting-type SMD, Suitable to smaller communication Equipment
- Exelent Heat-Resistance and Environmentallity

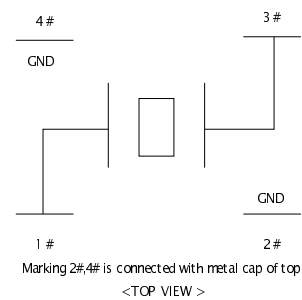
■ Specification

| Item | Symbol | Specifications | Remarks |
|-----------------------------|----------------|--------------------------------------|----------------------|
| Nominal Frequency Range | f_0 | 20.0 ~ 50.0MHz | Fundamental |
| Storage Temperature | TSTG | -40 ~ +85°C | |
| Operating Temperature | TOPR | -20 ~ 70°C | |
| Maximum Drive Level | GL | 2 mW MAX. | |
| Recommended Drive Level | DL | 100 μ W TYP. | |
| Freq. Tolerance (STD) | $\Delta f / f$ | ± 50 ppm (Ta=25°C) | Ask the others to us |
| Freq. Temp. Characteristics | | ± 30ppm (STD) | -20 ~ 70°C |
| | | Available from ± 10 ppm (Custom) | -10 ~ 60°C |
| | | Available from ± 15 ppm (Custom) | -20 ~ 70°C |
| Series Resistance | R1 | 100 Ω MAX | 20 ~ 30MHz |
| | | 60 Ω MAX | 30 ~ 50MHz |
| Load Capacitance | CL | 10pF ~ ∞ (STD : 12pF) | |
| Aging | fa | ± 5 ppm/year MAX | Ta=25°C, First Year |

■ External dimensions



■ Internal Connection



□ Recommended Soldering Pattern

